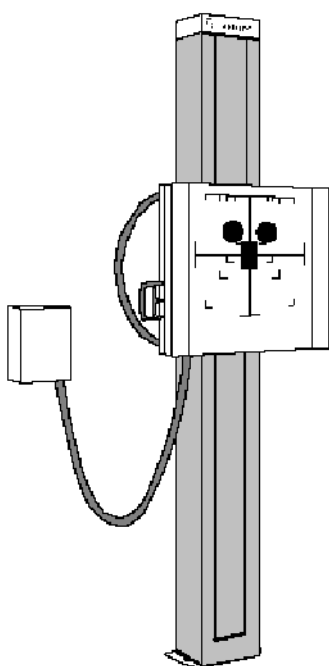


### BuckyDiagnost VE/VT family

9890 010 06511

## LEVEL 1 DOCUMENTATION



Stand with vertical bucky-carriage.  
For fixation on floor and wall or as standalone  
version for fixation on the floor only.

*This document and the information contained in it is strictly reserved for current Philips Medical Systems ("Philips") personnel, Philips licensed representatives and Philips customers who have purchased a valid service agreement for use by the customer's designated in-house service employee on equipment located at the customer's designated site. Use of this document by unauthorized persons is strictly prohibited. This document must be returned to Philips when the user is no longer licensed and in any event upon Philips' first written request.*

Printed in Hamburg, Germany  
© 2005 Koninklijke Philips Electronics N.V.  
ALL RIGHTS RESERVED



**Proprietary Notice:**

*This document and the information contained in it is proprietary and confidential information of Philips Medical Systems ("Philips") and may not be reproduced, copied in whole or in part, adapted, modified, disclosed to others, or disseminated without the prior written permission of the Philips Legal Department. Use of this document and the information contained in it is strictly reserved for current Philips personnel and Philips customers who have a current and valid license from Philips for use by the customer's designated in-house service employee on equipment located at the customer's designated site. Use of this document by unauthorized persons is strictly prohibited. Report violation of these requirements to the Philips Legal Department. This document must be returned to Philips when the user is no longer licensed and in any event upon Philips' first written request.*

**Warranty Disclaimer Language:**

*Philips provides this DOCUMENT without warranty of any kind, implied or expressed, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.*

**Limitations of Liability Language:**

*Philips has taken care to ensure the accuracy of this document. However, Philips assumes no liability for errors or omissions and reserves the right to make changes without further notice to any products herein to improve reliability, function, or design. Philips may make improvements or changes in the product(s) or program(s) described in this document at any time.*

**SERVICE MANUAL - SUBSYSTEM****Level 1 Documentation****BuckyDiagnost VE/VT**

Author: M. Hasche

Type No: 9890 010 06511

Techn. No: 9848 500 29301 VE

Techn. No: 9848 500 29401 VT

In case there are any questions concerning this manual,  
please send this LOPAD via fax to 49/(0)40/5078 2481

File:BuckyDiagnost VE/VT 29731 00

**List of pages and drawings (LOPAD)**

**Manual Order No: 4512 984 29731**  
**released: 03/2005**

1  
3

---

**1-1 ... 1-5 (a/05.0)**


---



---

**2-1 ... 2-10 (a/05.0)**


---



---

**3-1 ... 3-7 (b/05.0)**


---



---

**4-1 ... 4-9 (05.0)**


---

**Z-0.1****(b/05.0)**

Z-1.1	( 05.0)	A4	4512 982 0072.
Z-1.2	( 05.0)	A4	4512 982 0072.
Z-1.3	( 05.0)	A4	4512 982 0072.
Z-1.4	( 05.0)	A4	4512 982 0072.
Z-1.5	( 05.0)	A4	4512 982 0072.
Z-1.6	( 05.0)	A4	4512 982 0072.
Z-1.7	( 05.0)	A4	4512 982 0072.
Z-1.8	( 05.0)	A4	4512 982 0072.
Z-4.1	( 03.0)	A3	4512 982 0072.
Z-4.2	( 02.0)	A3	4512 982 0025.
Z-4.3	( 04.0)	A4	4512 982 0072.

2Z-10	(c/03.1)	A3	4512 983 05791
-------	----------	----	----------------

**Z-0.2****(b/05.0)**

Z1-3	(05.0)	A4
Z1-5	(b/05.0)	A4
Z1-6	(b/05.0)	A4
Z2-1	(c/05.0)	A4
Z2-2	(05.0)	A4

BuckyDiagnost VE/VT

Blank page

---

# INTRODUCTION AND TECHNICAL DATA

---

## Contents

### TEXT

	<b>Contents</b> .....	<b>1-1</b>
<b>1.</b>	<b>Introduction</b> .....	<b>1-3</b>
<b>2.</b>	<b>Compatibility</b> .....	<b>1-3</b>
<b>3.</b>	<b>Technical data</b> .....	<b>1-3</b>
3.1.	Dimensions .....	1-3
3.2.	Electrical data .....	1-3
3.3.	Environmental conditions .....	1-4
<b>4.</b>	<b>Dimensions and weights</b> .....	<b>1-4</b>
<b>5.</b>	<b>Scope of delivery</b> .....	<b>1-4</b>
<b>6.</b>	<b>Site preparation</b> .....	<b>1-5</b>
6.1.	Mechanical data .....	1-5
6.2.	Electrical data .....	1-5
<b>7.</b>	<b>Tools</b> .....	<b>1-5</b>
<b>8.</b>	<b>Test equipment</b> .....	<b>1-5</b>

Blank page

## 1. Introduction

Counter-balanced bucky carriage, vertical travel from 380 mm to 1900 mm above floor. Front panel provided with flat section locking rails and indication of AMPLIMAT measurement fields, film sizes and center. For both left-hand and right-hand operation.

## 2. Compatibility

**BuckyDiagnost VE**      **9848 500 29301**

**BuckyDiagnost VT**      **9848 500 29401**

are compatible with:

- bucky frame	9804 609 51102
with cassette tray non-sensing	9804 609 60202
to be connected via release adapter	4512 130 56941
or cassette tray sensing	9804 609 60302
to be connected via release adapter	4512 130 56941
and sensing adapter	4512 130 56951
- Bucky unit non-sensing left	4512 291 0226x
- Bucky unit non-sensing right	4512 291 0225x
- Bucky unit sensing left	4512 291 0224x
- Bucky unit sensing right	4512 291 0223x
- Oscillating grid 36 l/cm, ratio12, SID 140cm	9890 010 81332
- Oscillating grid 36 l/cm, ratio12, SID 110cm	9890 010 81322
- Oscillating grid 36 l/cm, ratio12, SID 180cm	9890 010 81342
- Oscillating grid 36 l/cm, ratio 8, SID 110cm	9890 010 81352
- Oscillating grid 36 l/cm, ratio 8, SID 140cm	9890 010 81362
- AMPLIMAT chamber	9890 000 01611
- Device for floor fixation	9890 010 02101
- Spacer ( only for VE)	9890 010 02121
- Patient armrests and patient stretching rest	9890 010 02111
- BABIX suspension gear	9890 010 02771
- Adaptation set tracking	9848 500 20201

## 3. Technical data

### 3.1. Dimensions

Refer to mechanical drawings (section Z).

### 3.2. Electrical data

Operating voltage

- 24 V DC, 100 mA via release cable from the generator for the bucky unit

### 3.3. Environmental conditions

According to PMS standard UXN 13600 class C1 (indoor temperature controlled)

- During regular work:

Temperature: 10 °C to 40 °C

Humidity: 20 % to 80 %

Air pressure: 700 to 1100 hPa

- During transport:

Temperature: -25 °C to +70 °C

Humidity: 5 % to 95 %

Air pressure: 700 to 1100 hPa

## 4. Dimensions and weights

Dimensions	Packed (length/width/height)	Unpacked (length/width/height)
BuckyDiagnost VE	2350 / 800 / 850 mm	2230 / 625 / 425 mm
BuckyDiagnost VT	2350 / 800 / 850 mm	2230 / 625 / 425 mm

Weights	Packed (length/width/height)	Unpacked (length/width/height)
BuckyDiagnost VE	2400 N	1600 N (1700 N)*
BuckyDiagnost VT	2850 N	2050 N

\* with spacer

Options:

- Device for floor fixation (support triangle): 125 N
- Spacer: 51 N

## 5. Scope of delivery

**Standard:**

- Column with counterweight and bucky frame with installed bucky unit including fixing material for wall fixing (dowels for floor fixation are not part of the delivery and must be obtained locally).
- Wall connection box with corrugated hose and cables from bucky unit to the wall connection box and fixing material for wall connection box.

**Options:**

- Support triangle for installation without wall including fixing material.
- Accessories includes:
  - Patient armrests
  - Patient stretching rest
- Spacer (only version VE)
- Hight measurement device

The columns are supplied with the brake handle at the left hand side.



It is not possible to exchange the handles in the field.

## **6. Site preparation**

### **6.1. Mechanical data**

The installation points on the installation surface must be suitable for a tensile strength of 2400 N each (concrete class B 150 DIN 1045 or other national requirements, if the supplied fixing material is used).

If the option "support triangle" for installation without wall is delivered, the required fixing material is supplied also.

### **6.2. Electrical data**

The column is supplied with a wall connection box, a corrugated hose and cables from the bucky unit to the wall connection box. At the bucky unit side the cables are equipped with AMP-decade plugs to be connected to the bucky unit. At the wall connection side the cables are equipped with 9-pins D-Sub-plugs. The release cable is equipped with a male plug. The sensing cable is equipped with a female plug. To connect the cables from the installation side a bag with plugs and plug cases is supplied with the system. For the AMPLIMAT measurement cable an AMP 3+ plug is supplied.

## **7. Tools**

Standard service tool kit.

## **8. Test equipment**

Spirit level.

---

# INSTALLATION

---

## Contents

### TEXT

	<b>Contents .....</b>	<b>2-1</b>
<b>1.</b>	<b>General .....</b>	<b>2-3</b>
<b>2.</b>	<b>Installation wall-mounted version .....</b>	<b>2-3</b>
<b>3.</b>	<b>Installation free-standing version .....</b>	<b>2-5</b>
<b>4.</b>	<b>Electrical connections .....</b>	<b>2-7</b>
<b>5.</b>	<b>Switch adjustment (VT) .....</b>	<b>2-7</b>
<b>6.</b>	<b>Installation of the covers .....</b>	<b>2-8</b>
<b>7.</b>	<b>Installation of the patient arm rests .....</b>	<b>2-8</b>
<b>8.</b>	<b>Installation of the patient stretching rest .....</b>	<b>2-8</b>
<b>9.</b>	<b>Installation of additional counterbalance weights .....</b>	<b>2-9</b>
<b>10.</b>	<b>Finishing work .....</b>	<b>2-9</b>
<b>11.</b>	<b>Labels .....</b>	<b>2-9</b>
<b>12.</b>	<b>Attachment of BABIX suspension gear .....</b>	<b>2-10</b>

Blank page

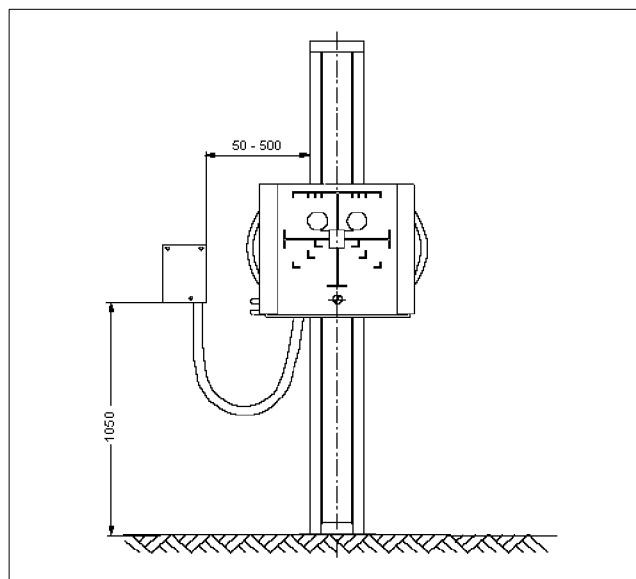
## 1. General

- Unpack the parts and check that they are not damaged.

The column is supplied completely installed as ordered unless the bucky unit is not installed or the handles have to be changed from left-hand side operation to right-hand side operation.

The red painted parts are used as a transport safeguard and are not used for normal operation.

The wall fixing angle (1) is used as a transport angle (see illustration below). The inserted screws are only for transport and must be removed for the installation. If the installation is without wall fixation, the angles (1) and (2) are not used.



### NOTE

*Dowels for floor fixation are not supplied and must be obtained locally.*

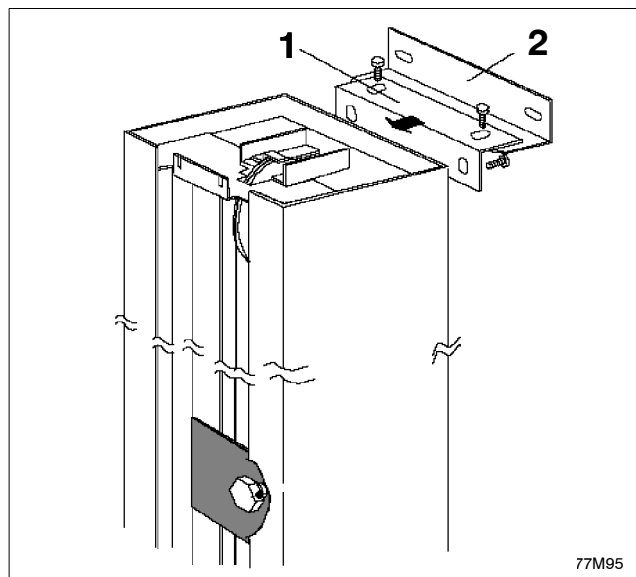
## 2. Installation wall-mounted version



### NOTE

*When option BABIX suspension gear is part of the delivery, refer to chapter 12. "Attachment of BABIX suspension gear"..*

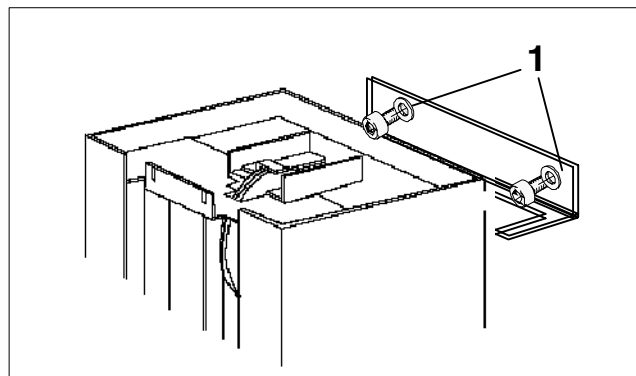
- Replace the screws at angle (1) with 2 sockethead cap screws with washers.
- Screw the wall fixing angle (2) and the angle (1) together with 2 sockethead cap screws M8x12 and washers.
- Move the bucky unit to the lowest position until the rope is tense.
- Bring the column into the vertical position.



### WARNING

*Secure the column against tilting.*

- Refer to the local room layout for positioning the VE/VT system (the room layout is provided by the customer).
- Mark holes at the wall and drill the holes for the supplied **10 mm** dowels.
- Fix the column at the wall with **2x** hexagon screws and washers (**1**).
- Check level of the column with a spirit level or use the dual laser alignment tool.
- Fasten all bolts only moderately.
- Drill two holes  $\varnothing 12\text{mm}$  about **90mm** deep in the middle of the marked area of the two floor fixing points.
- Swing the tube housing assembly towards the column.
- Switch on the field illuminator and check the alignment.
- Move the ceiling suspension by 1 m in longitudinal direction



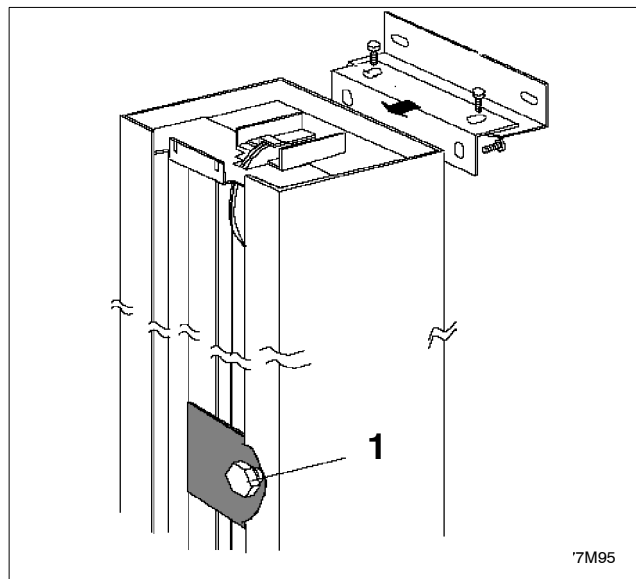
The migration of the cross hairs with respect to the vertical line of the bucky unit must not exceed 1.5 mm.

- Align the column rectangular with respect to the beam axis. Check with a mirror.
- Insert the two anchor dowels into the holes.
- Fix the BuckyDiagnost VE / VT at the floor with the screws and washers.

- Remove the transport safety screw (1) and sheet from the counterbalance weight.

Keep the screw and the sheet for maintenance.

- Check the easy movement of the bucky unit.
- Install the wall connection box.

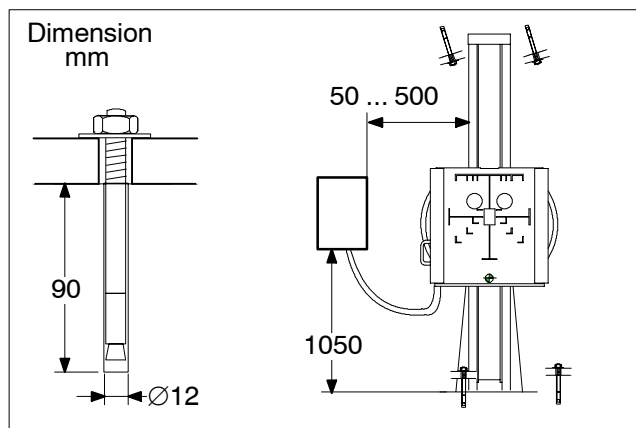


'7M95

Respect the location of the connection box as shown in the figure.

- Mark the 3 holes at the wall and drill the holes for the supplied 8 mm dowels.
- Fix the wall connection box to the wall with 3 screws and washers.

The connection of the cables is described in this manual in section "Plug and cable connections".



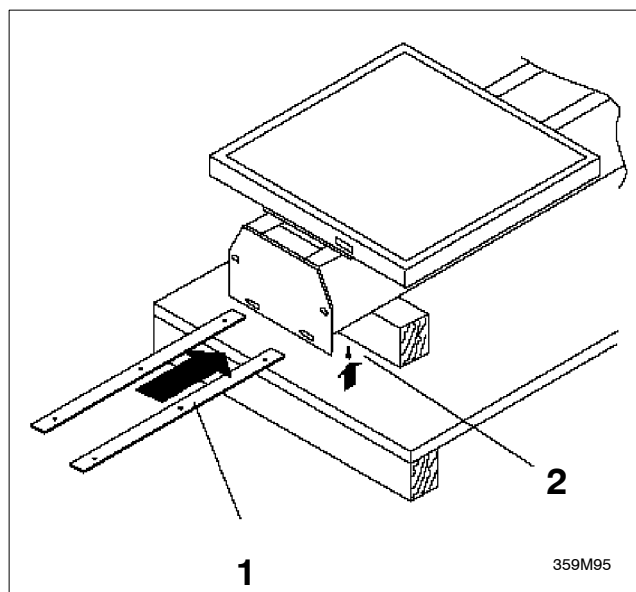
### 3. Installation free-standing version



#### NOTE

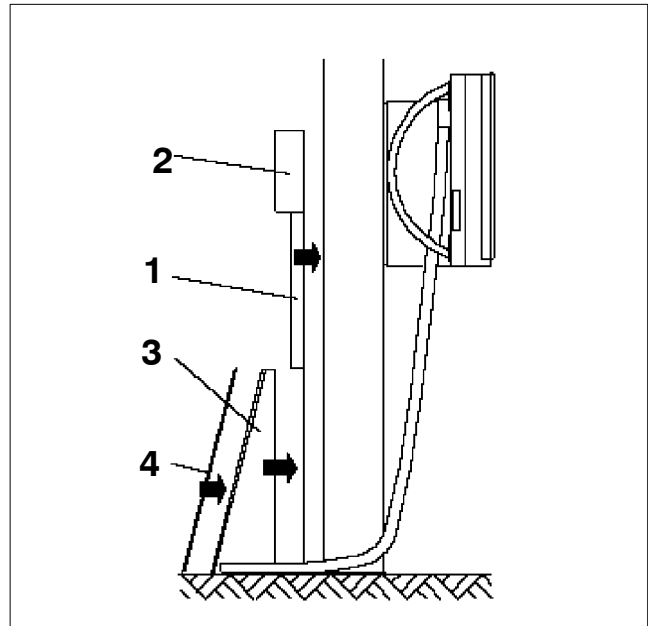
*Dowels are not included in the accessory set.  
They must be obtained locally.*

- Insert the threaded aprons (1) at the diagonal edge first and fix each with a bolt (2) (accessories: cardboard triangle).
- Move the bucky unit to the lowest position until the rope is tense.
- Bring the column to the vertical position.



359M95

- Mark the holes at the floor and drill the holes for the supplied 12 mm dowels.
- Swing the tube housing assembly towards the column.
- Switch on the field illuminator and check the alignment.
- Move the ceiling suspension by 1 m in longitudinal direction
- The migration of the cross hairs with respect to the vertical line of the bucky unit must not exceed 1.5 mm.
- Align the column rectangular with respect to the beam axis. Check with a mirror.
- Fix the column at the floor with the screws and washers supplied with the dowels.

**WARNING**

*Secure the column against tilting.*

- Install the sheet with cable conduit (1) and connection box (2)
- Install the support triangles (3) at the rear side of the column by fixing them to the threaded aprons (accessories: cardboard triangle).

Do not fasten the screws completely.

- Mark the holes at the triangle on the floor and drill the holes for the supplied 8 mm dowels (accessories: cardboard triangle).
- Fix the triangle at the floor with the screws supplied with the triangle.
- Level the column with a spirit level.
- Fasten all bolts.
- Remove the transport safety screw and sheet from the counterbalance (fig. 377M95 / chapter 2).

Keep the screw and the sheet for maintenance.

- Stick the connection box to the column with the double side tape (installed at the rear side of the box).
- Route the cable to the connection box.
- Install the cover on the triangles (4).
- Check the easy movement of the bucky unit.

The connection of the cables is described in this manual in section “Plug and cable connections”.



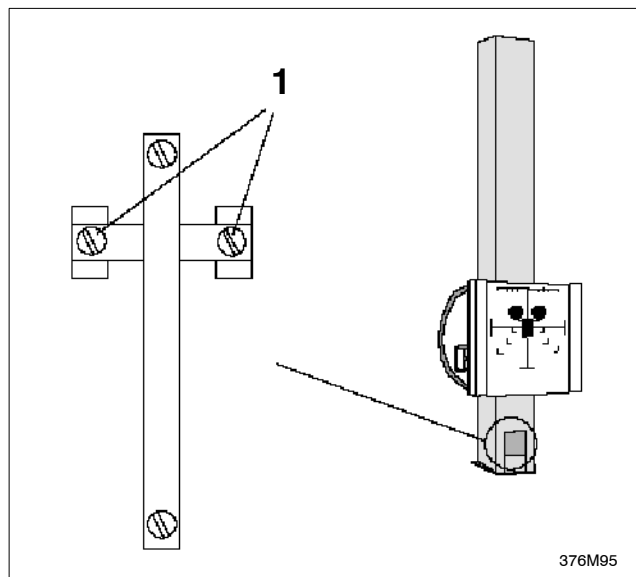
#### 4. Electrical connections

For system connections refer to System Reference Manuals SRMs. Refer to drawing 2Z-5.1 for an overview of the connectors.

#### 5. Switch adjustment (VT)

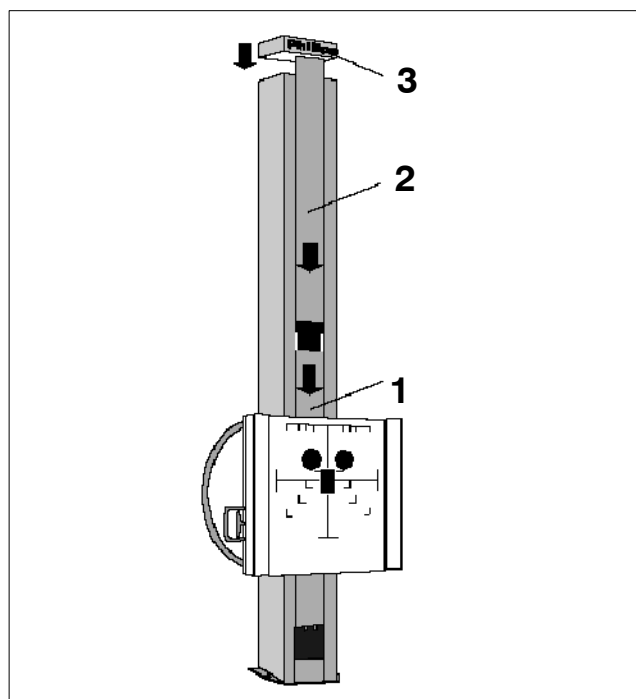
In 90° position the bucky unit should be adjusted to the same floor distance as the bucky unit in the table.

- Tilt the bucky unit to the 90° position and adjust the floor distance (VPS1) at the switch element (1).



## 6. Installation of the covers

- Insert the lower cover (1) through the polyamide guides at the carriage and push it into the support.
- Insert the top cover (2) into the guide bolts and fasten the nuts at the stay bolts on the top.
- Install the top cover panel (3) with Philips brand name.



## 7. Installation of the patient arm rests

The patient arm rests are not part of the standard delivery.

If supplied:

- Install the arm rests on the left-hand and right-hand side of the bucky unit with two screws each.

## 8. Installation of the patient stretching rest

The patient stretching rest is not part of the standard delivery.

If supplied:

- Install the stretching rest to the left-hand or right-hand side of the bucky unit.

## 9. Installation of additional counterbalance weights

The BuckyDiagnost VE is completely weight compensated when the patient arm rests and the patient stretching rest are part of delivery.

For BuckyDiagnost VT the additional counter weights must be installed depending on the accessories delivered.

In case the patient arm rests and the patient stretching rest are installed later on, the additional counterbalance weights have to be removed.

### Version VE:

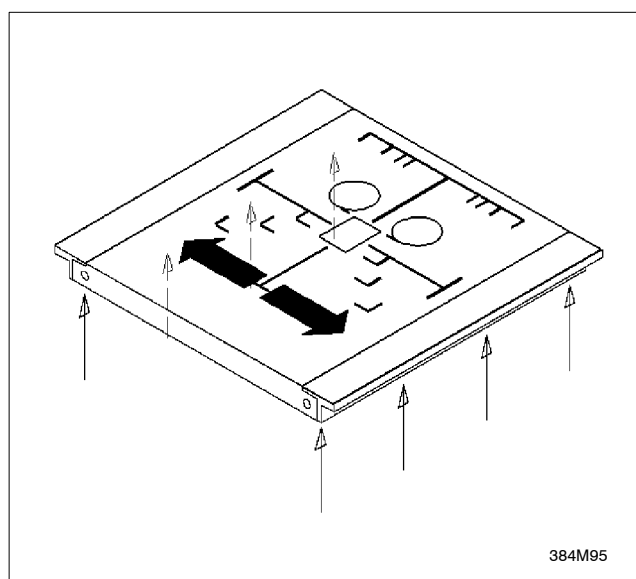
To remove the four additional counterbalance weights, the bucky unit has to be re-installed first (see section 3).

- Remove the additional counterbalance weights and re-install the bucky unit.

### Version VT:

The counterweights are placed in the lengthwise carrier on the opposite side of the brake handle.

- Open the cover at the lengthwise carrier and install the additional counterweights.



## 10. Finishing work

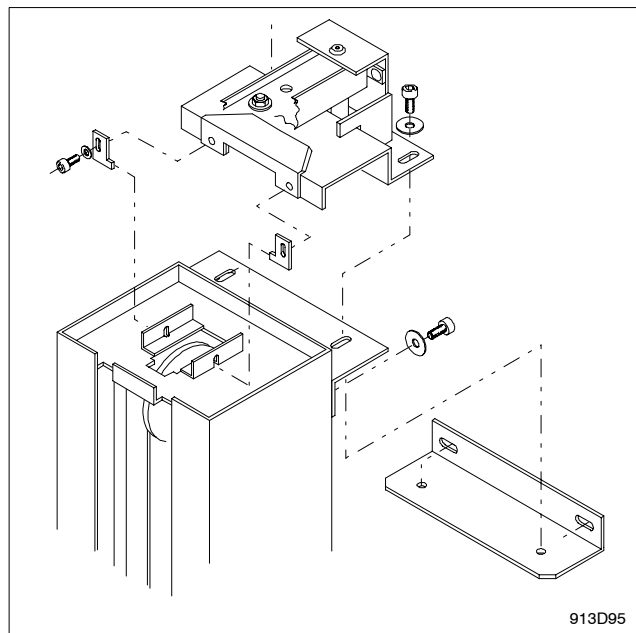
- Check all functions of the BuckyDiagnost VE/VT.

## 11. Labels

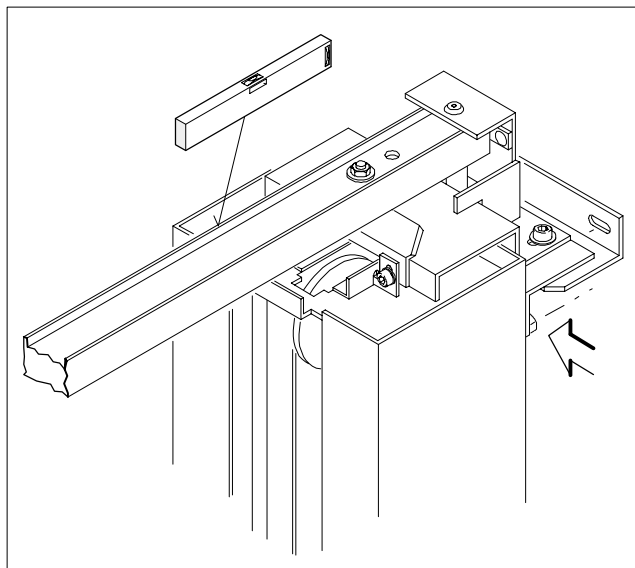
- Check the labeling (see drawing 2Z-10).

## 12. Attachment of BABIX suspension gear

- Attach the BABIX suspension gear to the top of the column as shown in the drawing.



- Slightly loosen the screws of the wall angle.
- Adjust the arm to a horizontal position with the spirit level.
- Tighten the screws of the wall angle.



---

# FAULT FINDING

---

## Contents

### TEXT

	<b>Contents .....</b>	<b>3-1</b>
<b>1.</b>	<b>Fault finding for BuckyDiagnost VE/VT .....</b>	<b>3-3</b>

Blank page

## **1. Fault finding for BuckyDiagnost VE/VT**

Refer to manual SMCM for BuckyDiagnost TH.

---

# REPLACEMENT

---

## Contents

### TEXT

	<b>Contents .....</b>	<b>4-1</b>
<b>1.</b>	<b>Replacement of wire ropes .....</b>	<b>4-3</b>
<b>2.</b>	<b>Replacement of the vertical brake rope .....</b>	<b>4-4</b>
<b>3.</b>	<b>Reconstruction of handles version VE .....</b>	<b>4-7</b>
<b>4.</b>	<b>Reconstruction of handles version VT .....</b>	<b>4-8</b>
<b>5.</b>	<b>Installation of the spacer version VE .....</b>	<b>4-9</b>



Blank page

## 1. Replacement of wire ropes

With both versions the column must not be re-installed completely to exchange the rope.

With version VE the bucky unit and the baseplate must be re-installed to exchange the rope.

With version VT the fixing point for the rope becomes accessible when the bucky unit is tilted to the horizontal position and the cover has been re-installed.

- Re-install the cover.
- Move the bucky unit until the tapping hole in the counterweight and the hole in the column are congruent.
- Fix the counterweight with a M12 bolt and washer.

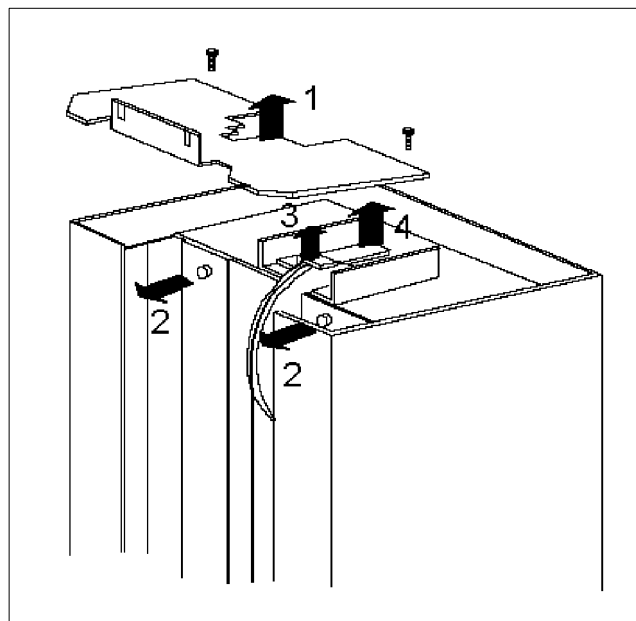
- Lift the bucky unit until the rope is relieved and fix the bucky unit in this position by a wooden block.
- Loosen the wire rope at the bucky carrier side.
- Loosen all parts in the specified sequence (1-3) and remove the rope-roller (4).

The fixing bolt of the rope at the counterweight side are accessible now.


- Loosen the rope at the counterweight and exchange the rope.
- Reinstall the rope roller.
- Install the rope at the carrier.

Check the washers and parts at both fixing points and check that the rope safety part is installed correctly.

- Remove the wooden block.
- Remove the bolt at the counter weight.
- Check that the function is smooth.
- Install the covers.

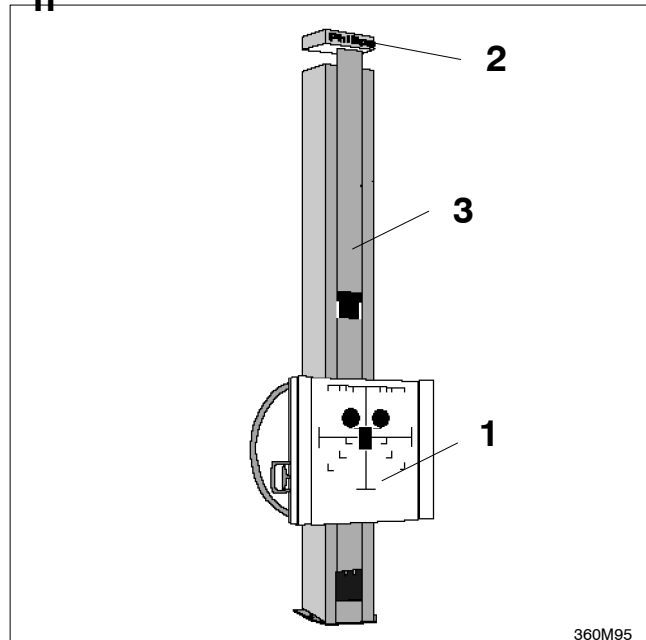


## 2. Replacement of the vertical brake rope

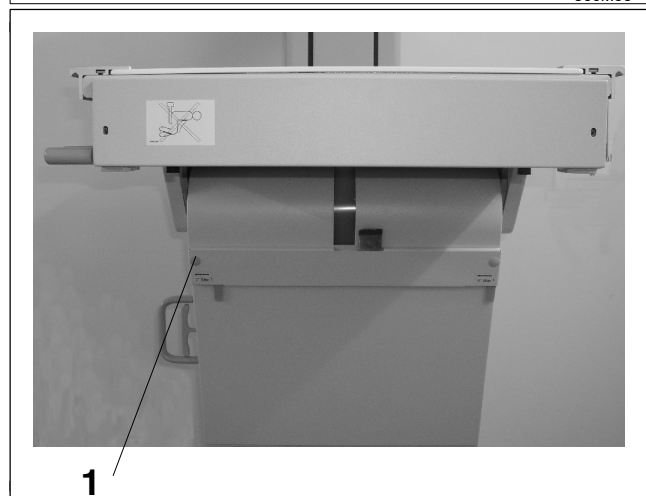
	Replacement of the vertical brake rope	
---	--	--

1  
h

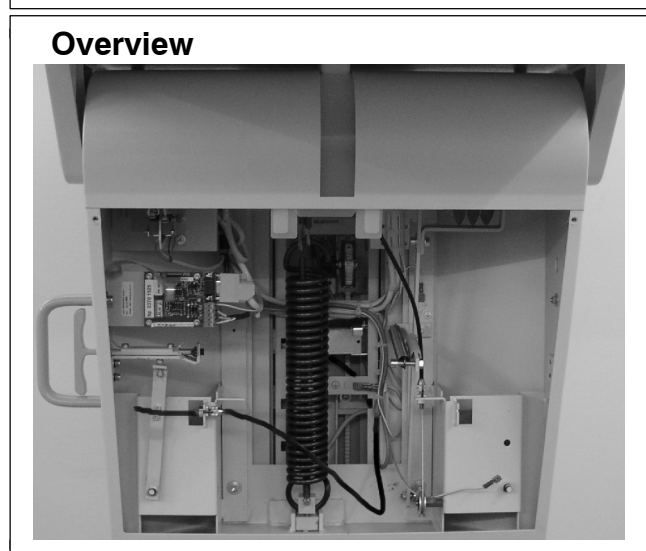
- Switch the system off and drive the vertical carriage to its lowest position (1).
- Remove the top (2) and the upper front cover (3).



- Drive the vertical carriage to its highest position.
- Tilt the bucky carriage.
- Loosen the caps and screws (1) and remove the covers of the vertical bucky carriage .



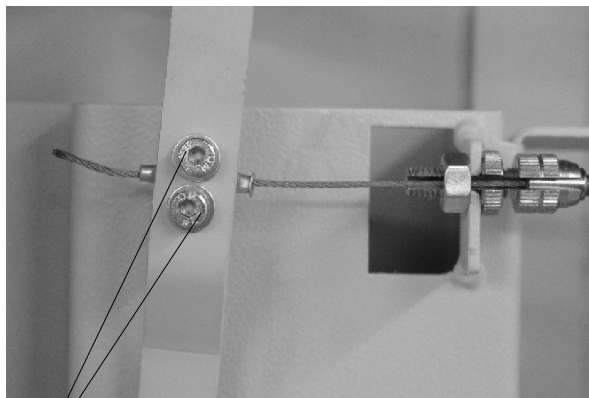
The figure gives an overview of the run of the vertical brake rope.



**NOTE**

*Keep in mind the run of the old vertical brake rope.*

- Loosen the two screws (1) with an Allen key.

**1**

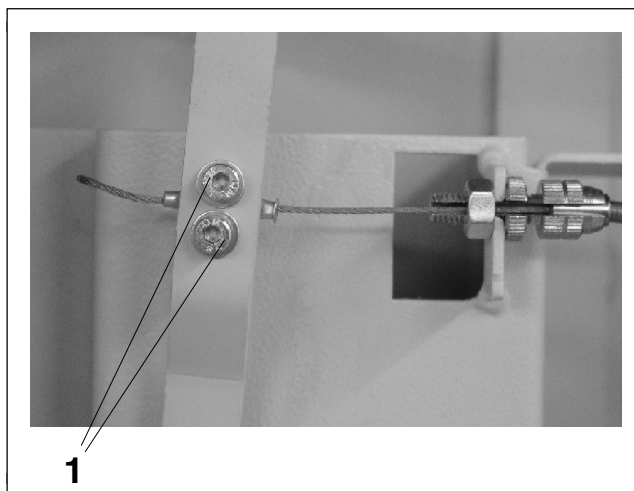
- Loosen the screw (1) to get access to the sheath (2).

**1****2**

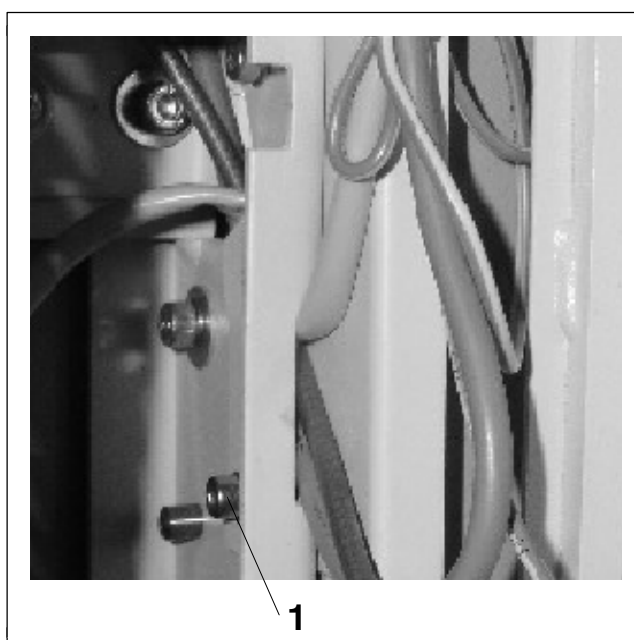
- Pull out the old vertical brake rope from the upper side (1).
- Insert the new vertical brake rope into the sheath (2) from the upper side.
  - Ensure that the vertical brake rope rests on the castor (3) behind the brake shoes.

**1****3****2**

- Fasten the vertical brake rope with the two screws (1) at the brake lever.



- Fix the screw (1).



- Check that the vertical brake works.
- Reattach all covers.

### 3. Reconstruction of handles version VE



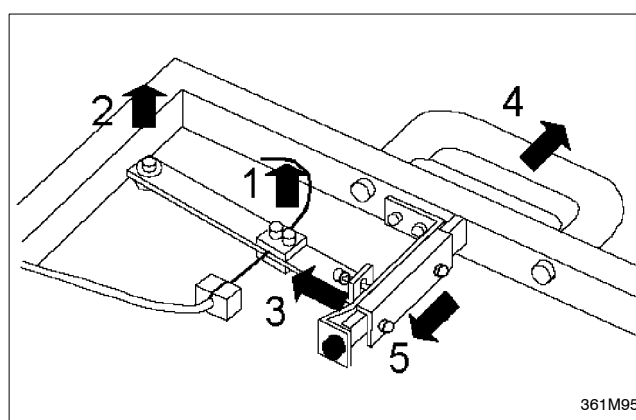
#### NOTE

*A reconstruction of the bucky operation side from left hand to right hand is not possible. In this case a new bucky unit has to be ordered. The following section describes the reconstruction of the brake handle VE only.*

The column is supplied with installed brake handle at the left-hand side of the column. If the application requires the handling from right-hand side the brake handle has to be changed.

In case of later reconstruction the bucky unit has to be reinstalled first. The reinstallation should be done in opposite sequence as the installation as would be logical and is described at section F-1.

- Mark the position of the rope and loosen the rope.
- Reinstall all parts in the specified sequence (1-5).
- Install the brake handle in the opposite position on the right-hand side.
- Position the rounded edge correctly.
- Fix the rope at the marked position.
- Check the easy movement of the brake function.



#### 4. Reconstruction of handles version VT



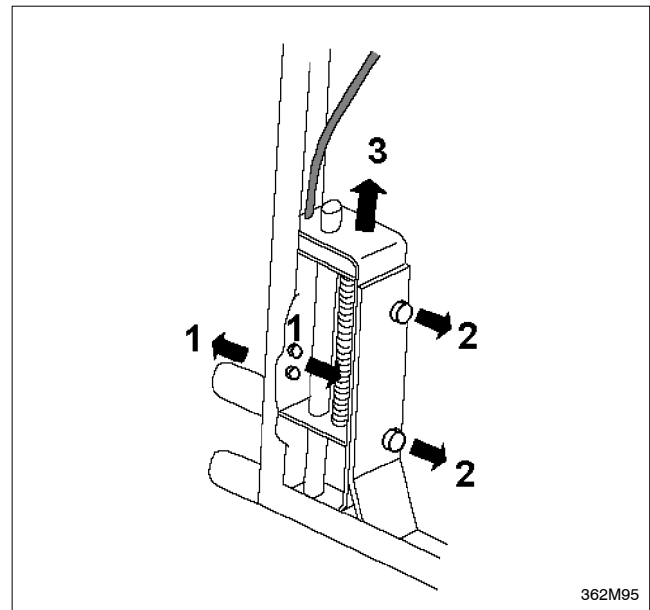
##### NOTE

*A reconstruction of the bucky operation side from left hand to right hand is not possible. In this case a new bucky unit has to be ordered. The following section describes the reconstruction of the brake handle VE only.*

The column is supplied with installed brake handle and the tilting handle at the left-hand side of the column. If the application requires the handling from right-hand side the handles have to be changed.

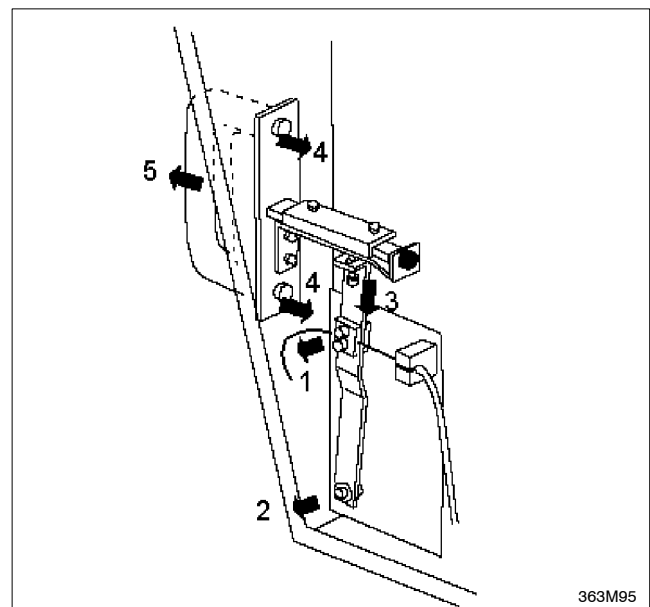
In case of later reconstruction the bucky unit has to be reinstalled to exchange the tilting handle. The reinstallation should be done in opposite sequence as the installation as would be logical and is described at section F-1.

- Mark the position of the rope and loosen the rope.
- Open all parts in the specified sequence and remove them (1-3).
- Install the tilting handle in the opposite position on the right-hand side.
- Change the fixed part of the handle to the reflection position.
- Check the easy movement of the tilting function.



362M95

- Tilt the bucky unit to the horizontal position.
- Remove the cover from the bucky carrier.
- Mark the position of the brake rope and loosen the rope.
- Open all parts in the specified sequence and remove them (1-5).
- Install the brake handle in the reflection position on the right-hand side.
- Position the rounded edge correct.
- Fix the rope at the marked position.
- Check the easy movement of the brake function.



363M95

## 5. Installation of the spacer version VE

If the optional spacer has to be installed later on, the bucky unit has to be reinstalled before the spacer is allowed to be installed. The reinstallation should be done in opposite sequence as the installation as would be logical and is described at this section.

- Reinstall all covers.
- Loosen all cable connections.
- Remove the baseplate from the carrier.
- Mark the position of the brake wire rope at the fixing point and remove the wire rope.
- Install the spacer and fix it with four bolts.
- Install the baseplate on top of the spacer.
- Fix the rope at the marked position.
- Install the bucky unit and connect all cables and earthing cables again.

To add the additional counterweight the column must not be re-installed.

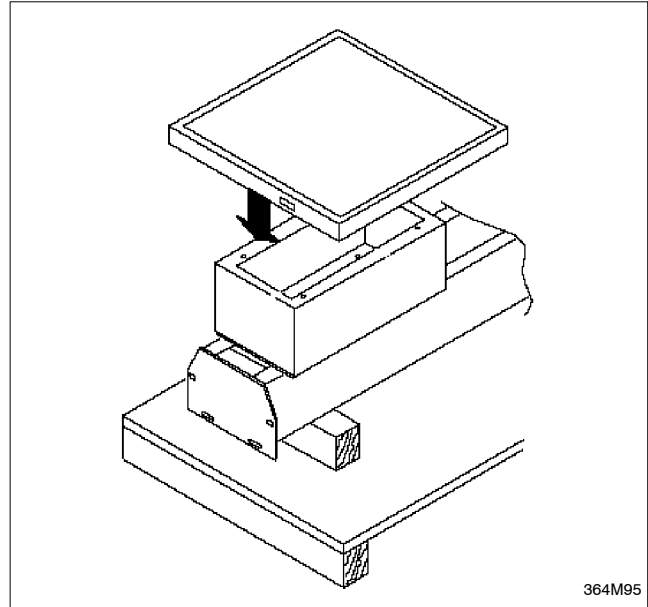
- Re-install the column covers.
- Move the bucky unit until the tapping hole in the counterweight and the hole in the column are congruent.
- Fix the counterbalance weight with a M12 bolt and washer.
- Lift the bucky unit until the rope is relieved.
- Fix the bucky unit in this position by a wooden block.
- Loosen all parts in the specified sequence and remove the rope roller.

The fixing bolt of the rope at the counterbalance side is accessible now.

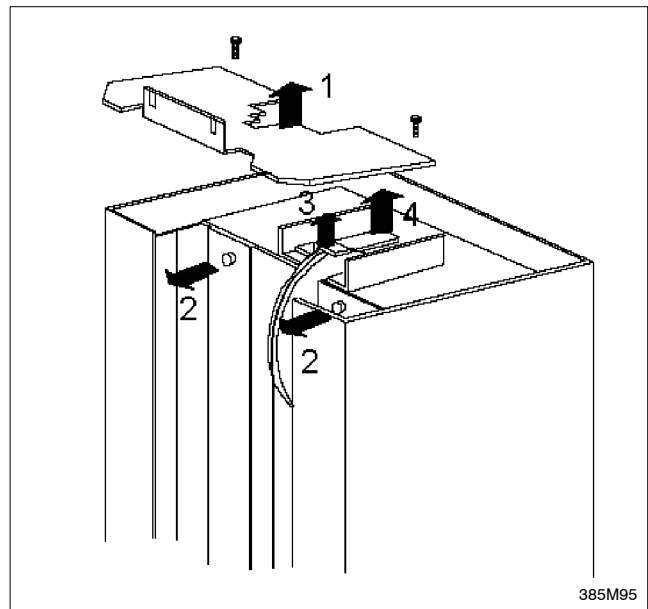
- Loosen the rope at the counterbalance.
- Remove the rope holder at the counterbalance weight.
- Install the supplied counterweight plates.
- Install the rope holder.
- Fix the rope again.
- Install all parts in the opposite sequence as would be logical (1-4).

Check the washers and parts at both fixing points and check that the rope safety part is installed correctly.

- Remove the wooden block.
- Remove the bolt at the counterbalance weight.
- Check that the function is smooth.
- Install the covers.■



364M95

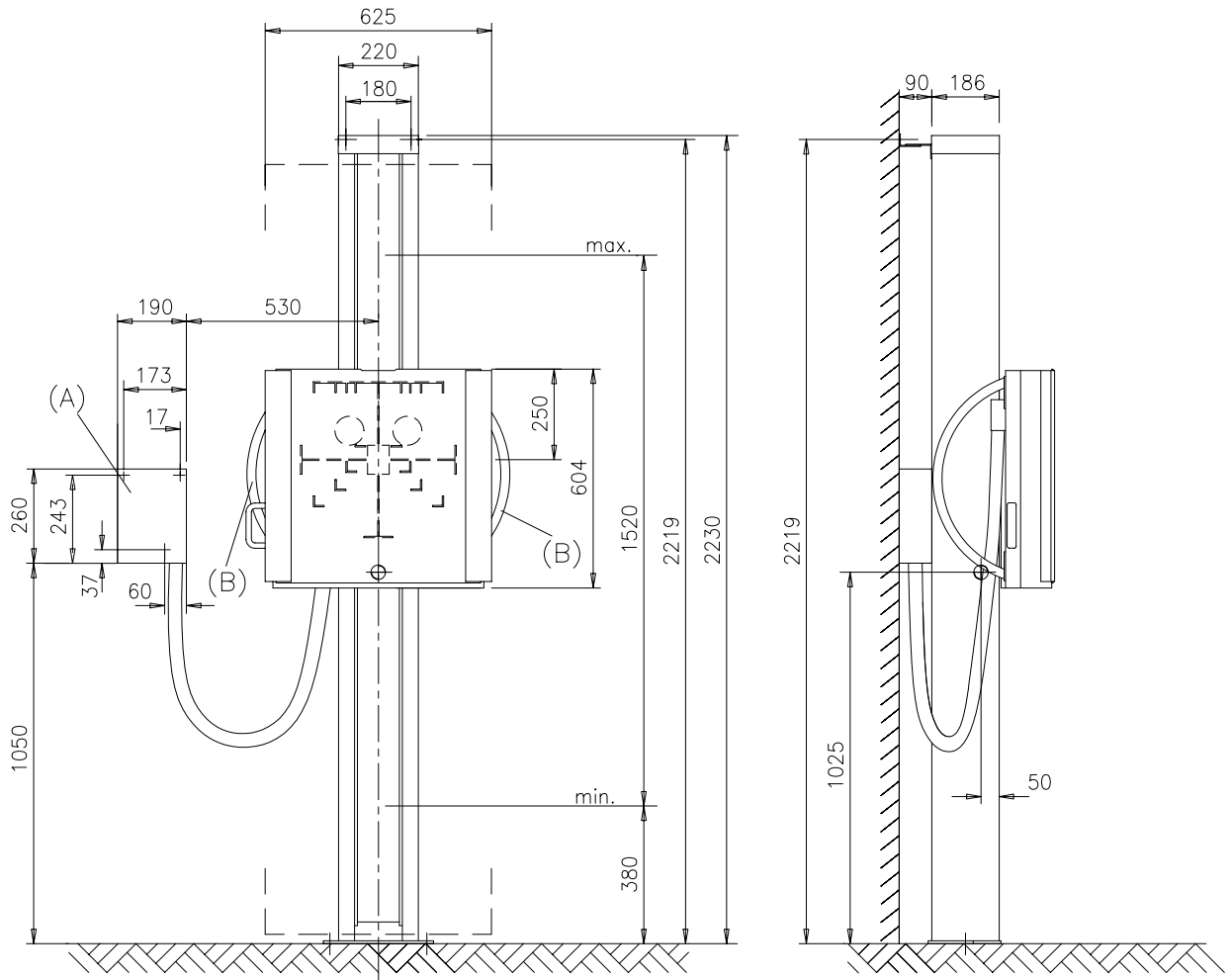


385M95



## Drawings

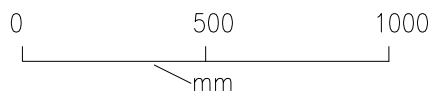
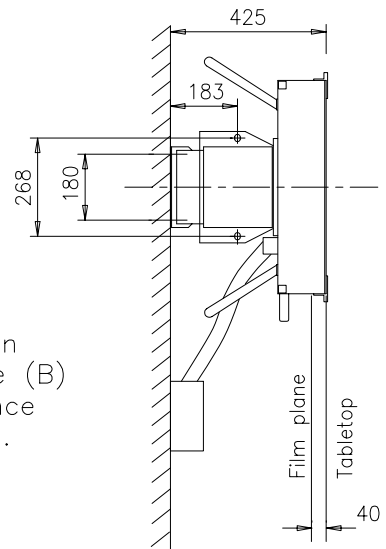
BuckyDiagnost VE Wall mounted version Mechanical dimensions .....	Z-1.1
BuckyDiagnost VE Segment control unit Wall mounted version Mechanical dimensions ..	Z-1.2
BuckyDiagnost VE Stand alone version Mechanical dimensions .....	Z-1.3
BuckyDiagnost VE Segment control unit Stand alone version Mechanical dimensions ...	Z-1.4
BuckyDiagnost VT Wall mounted version Mechanical dimensions .....	Z-1.5
BuckyDiagnost VT Segment control unit Wall mounted version Mechanical dimensions ..	Z-1.6
BuckyDiagnost VT Stand alone version Mechanical dimensions .....	Z-1.7
BuckyDiagnost VT Segment control unit Stand alone version Mechanical dimensions ...	Z-1.8
BuckyDiagnost VE/VT Wall mounted version Template .....	Z-4.1
Basement of power box & segment control unit Template .....	Z-4.2
BuckyDiagnost VE/VT Stand alone version Template .....	Z-4.3
BuckyDiagnost VE/VT Labelling .....	Z-10



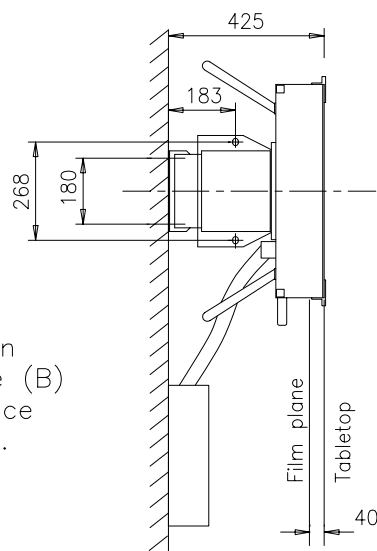
(B) = Option

**WARNING:**

Make sure there is enough distance between the wall connection box (A) and the handle (B) of the bucky. If there is not enough distance injury may occur when the bucky is moved.

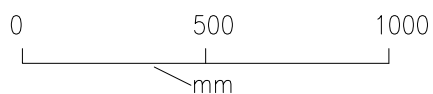


BuckyDiagnost VE  
Wall mounted version  
Mechanical dimensions

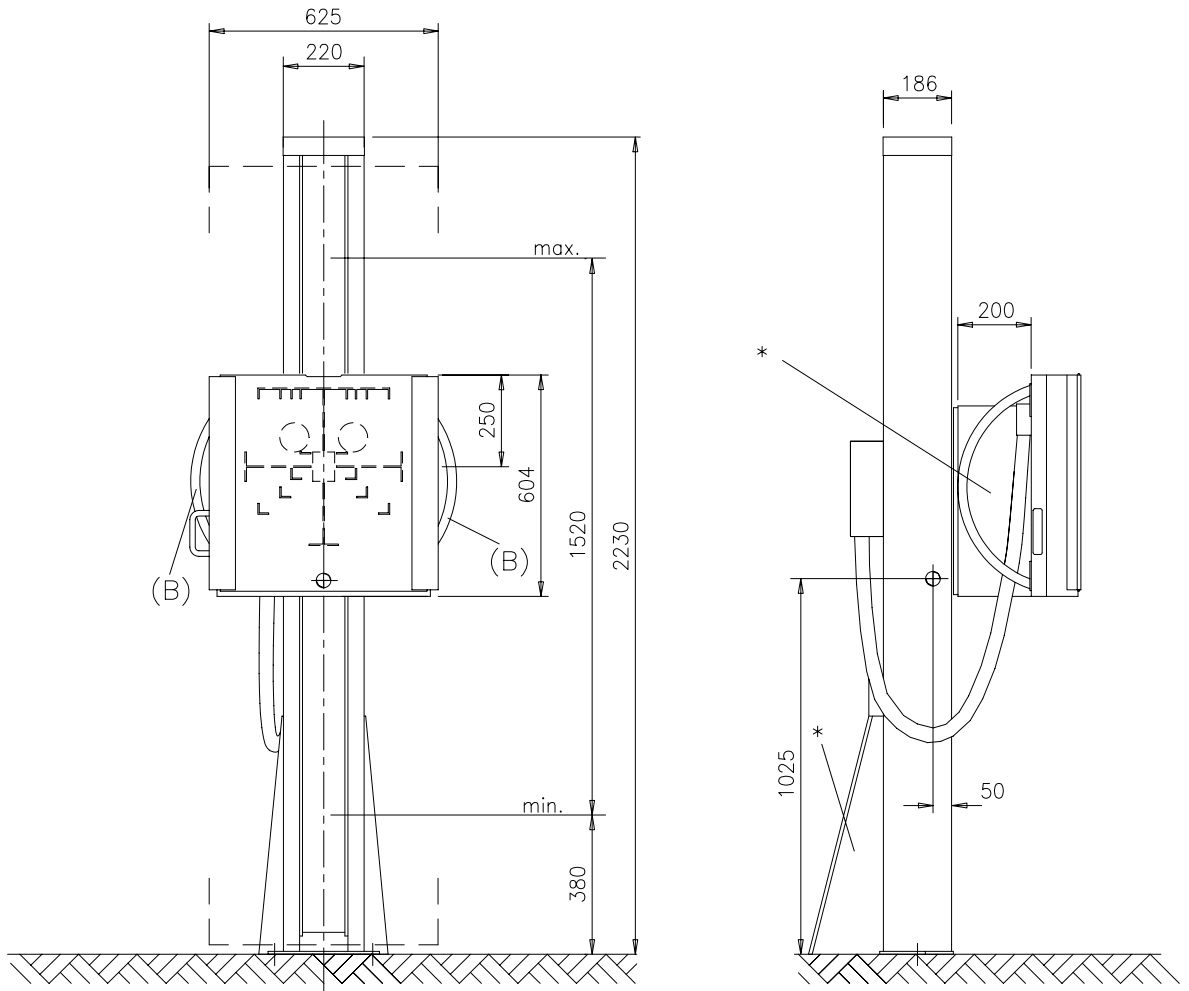


WARNING:

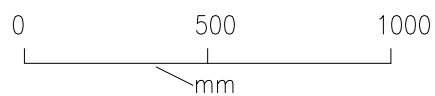
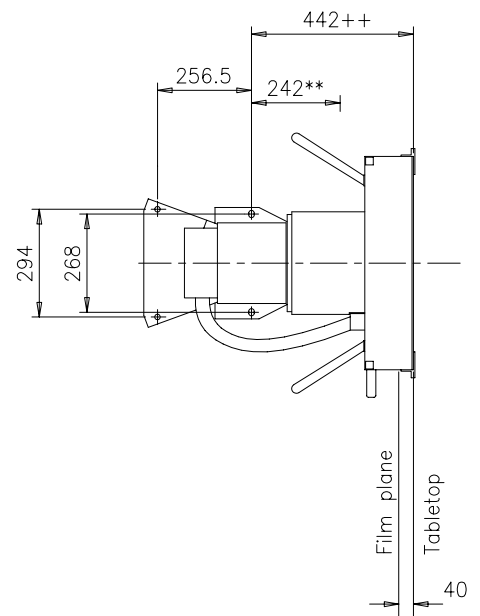
Make sure there is enough distance between the wall connection box (A) and the handle (B) of the bucky. If there is not enough distance injury may occur when the bucky is moved.



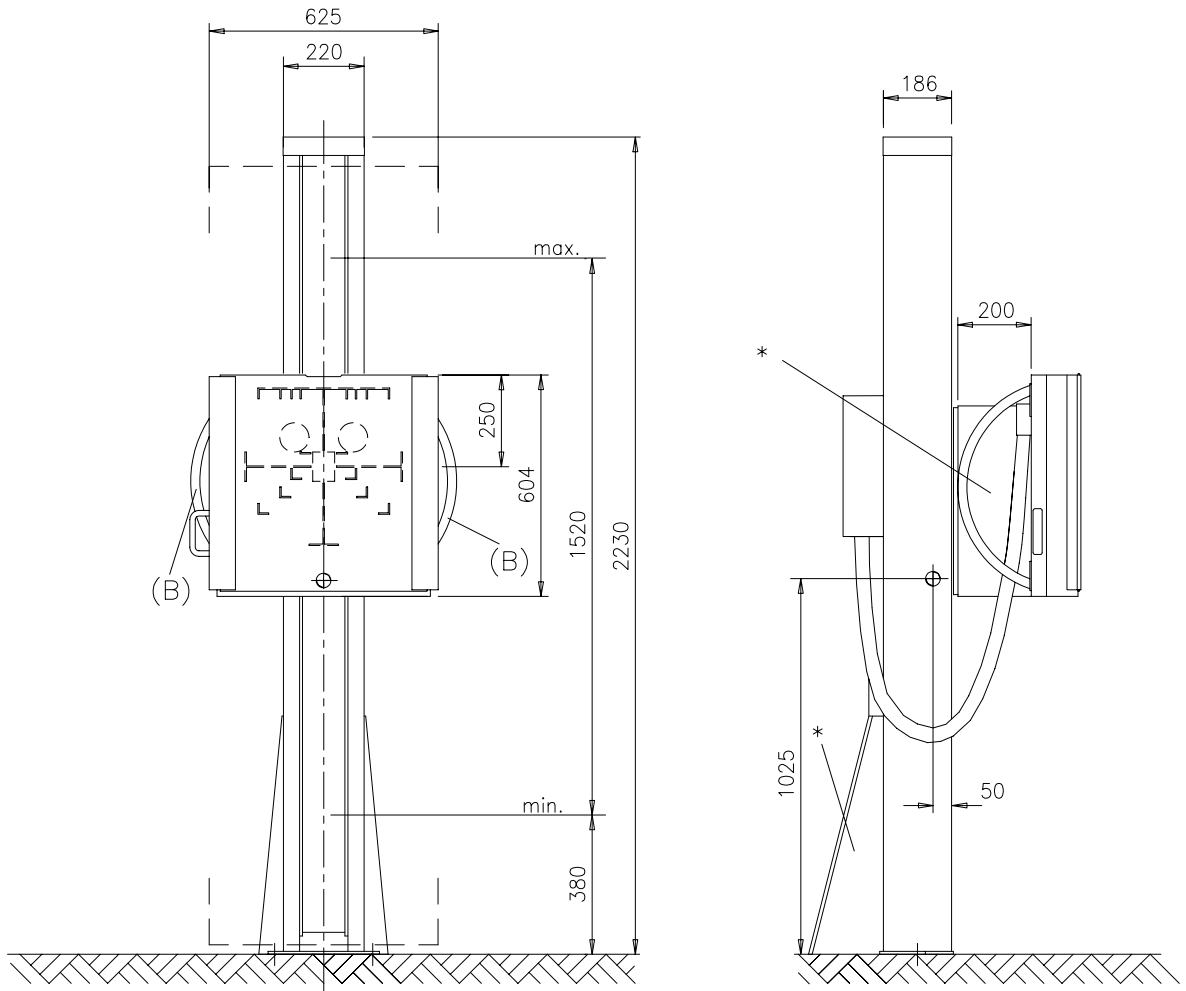
BuckyDiagnost VE  
Segment control unit  
Wall mounted version  
Mechanical dimensions



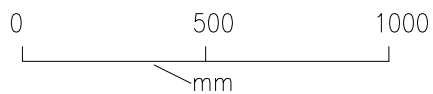
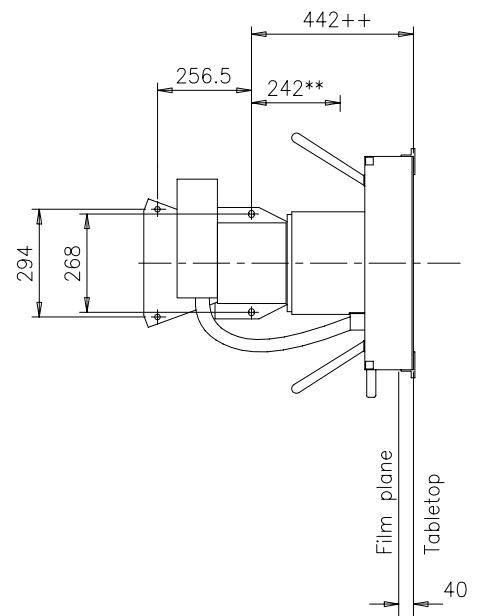
- \* = Option
- \*\* = distance without spacer
- ++ = distance with spacer



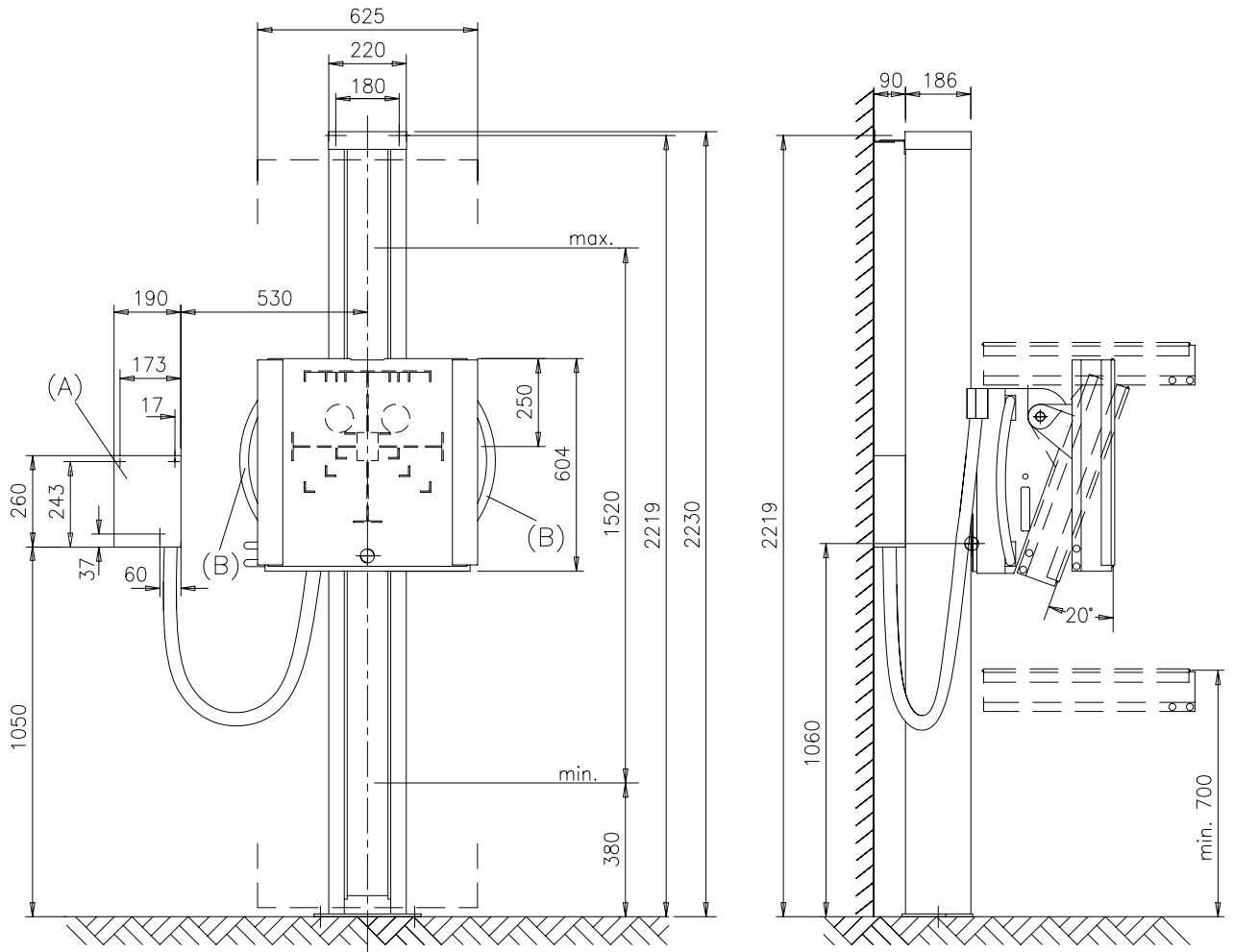
BuckyDiagnost VE  
Stand alone version  
Mechanical dimensions



\* = Option  
\*\* = distance without spacer  
++ = distance with spacer



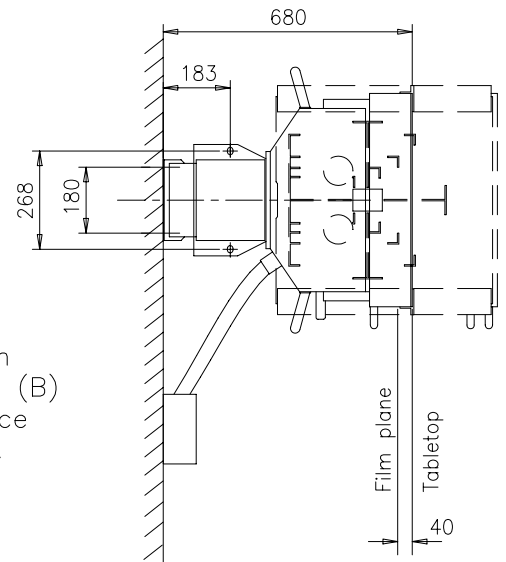
BuckyDiagnost VE  
Segment control unit  
Stand alone version  
Mechanical dimensions



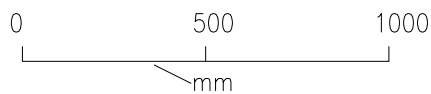
(B) = Option

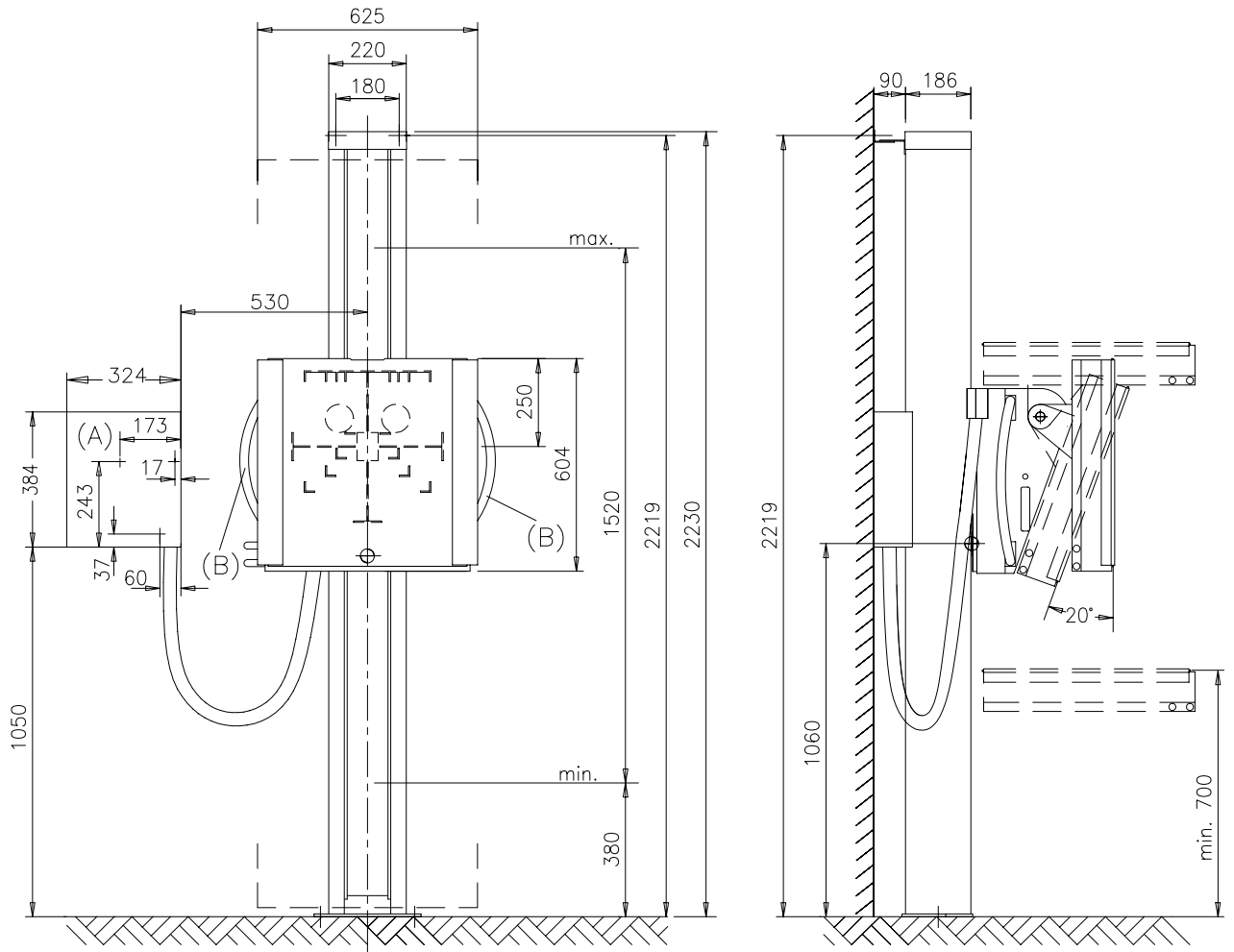
**WARNING:**

Make sure there is enough distance between the wall connection box (A) and the handle (B) of the bucky. If there is not enough distance injury may occur when the bucky is moved.



BuckyDiagnost VT  
Wall mounted version  
Mechanical dimensions

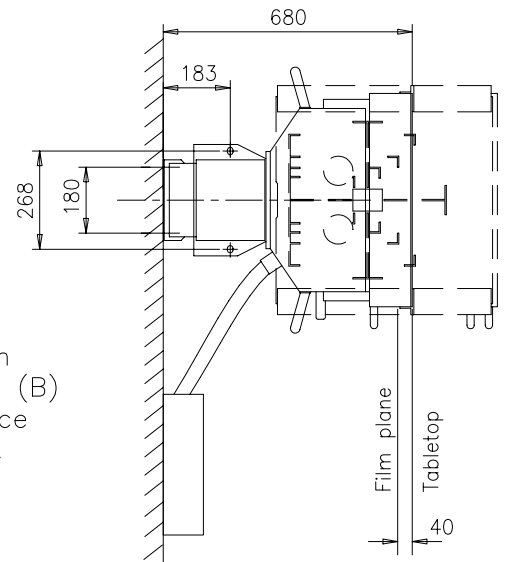




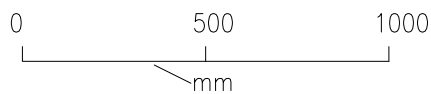
(B) = Option

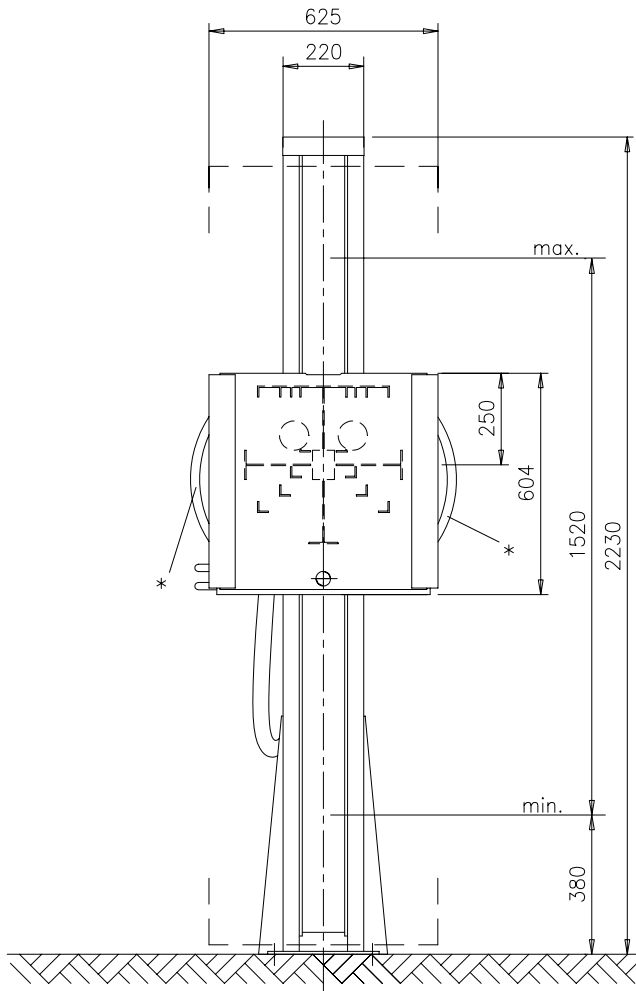
**WARNING:**

Make sure there is enough distance between the wall connection box (A) and the handle (B) of the bucky. If there is not enough distance injury may occur when the bucky is moved.

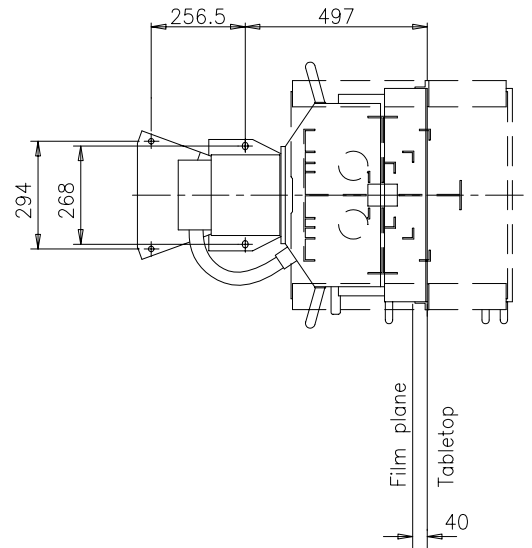
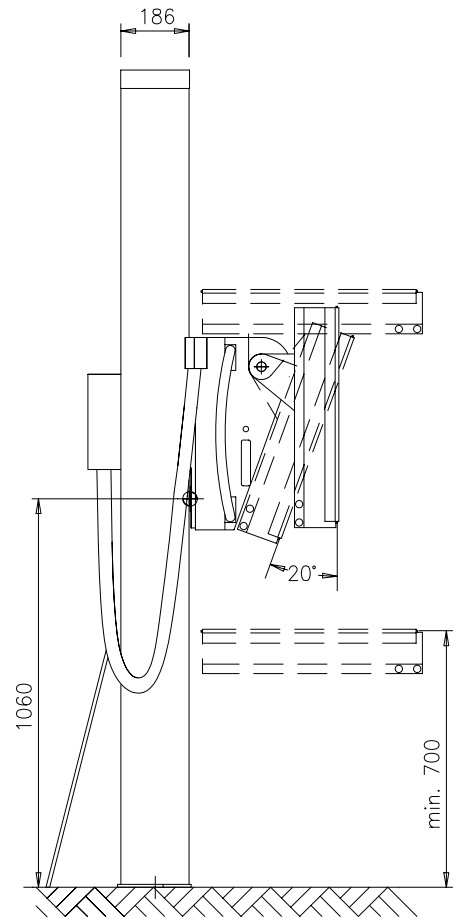
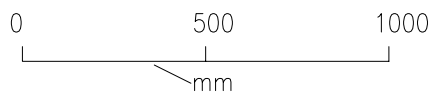


BuckyDiagnost VT  
Segment control unit  
Wall mounted version  
Mechanical dimensions



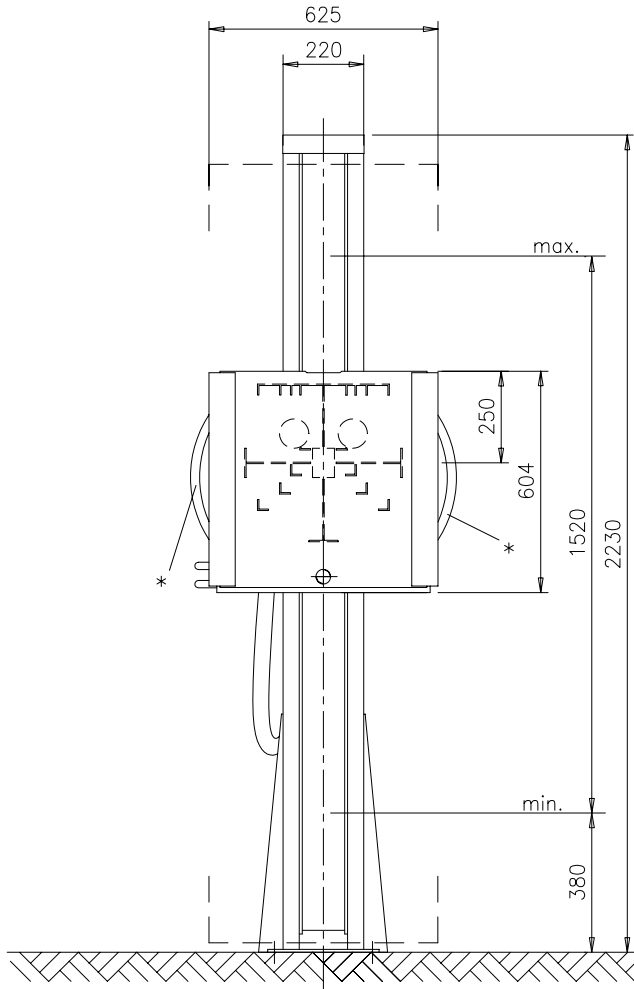


\* = Option

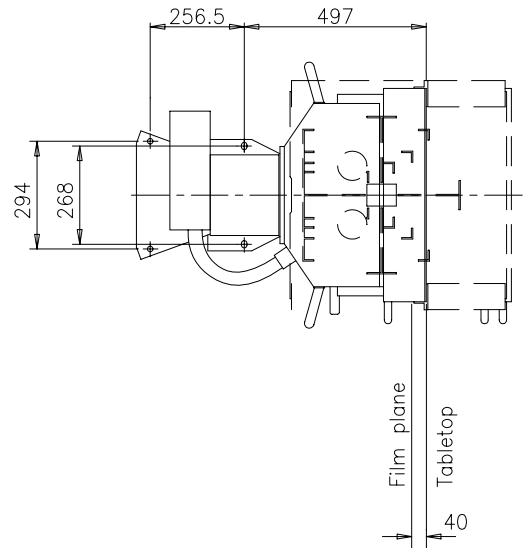
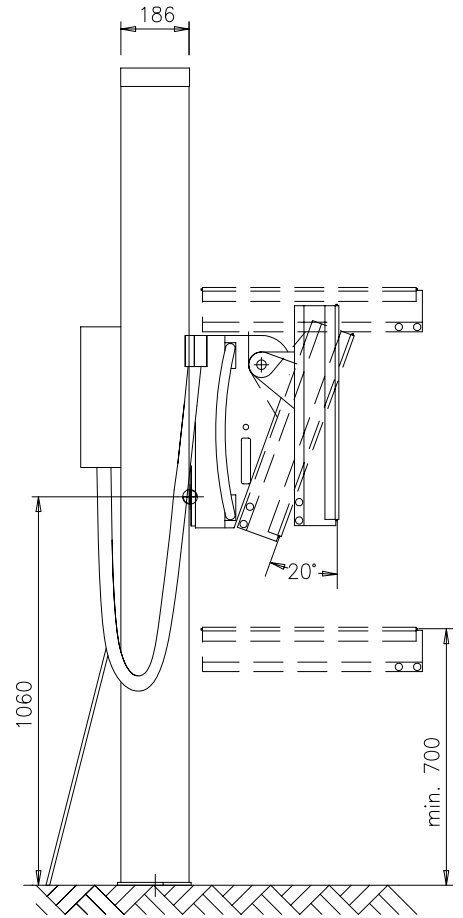
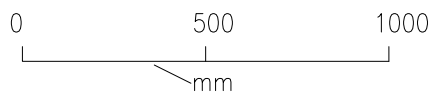


BuckyDiagnost VT  
Stand alone version  
Mechanical dimensions

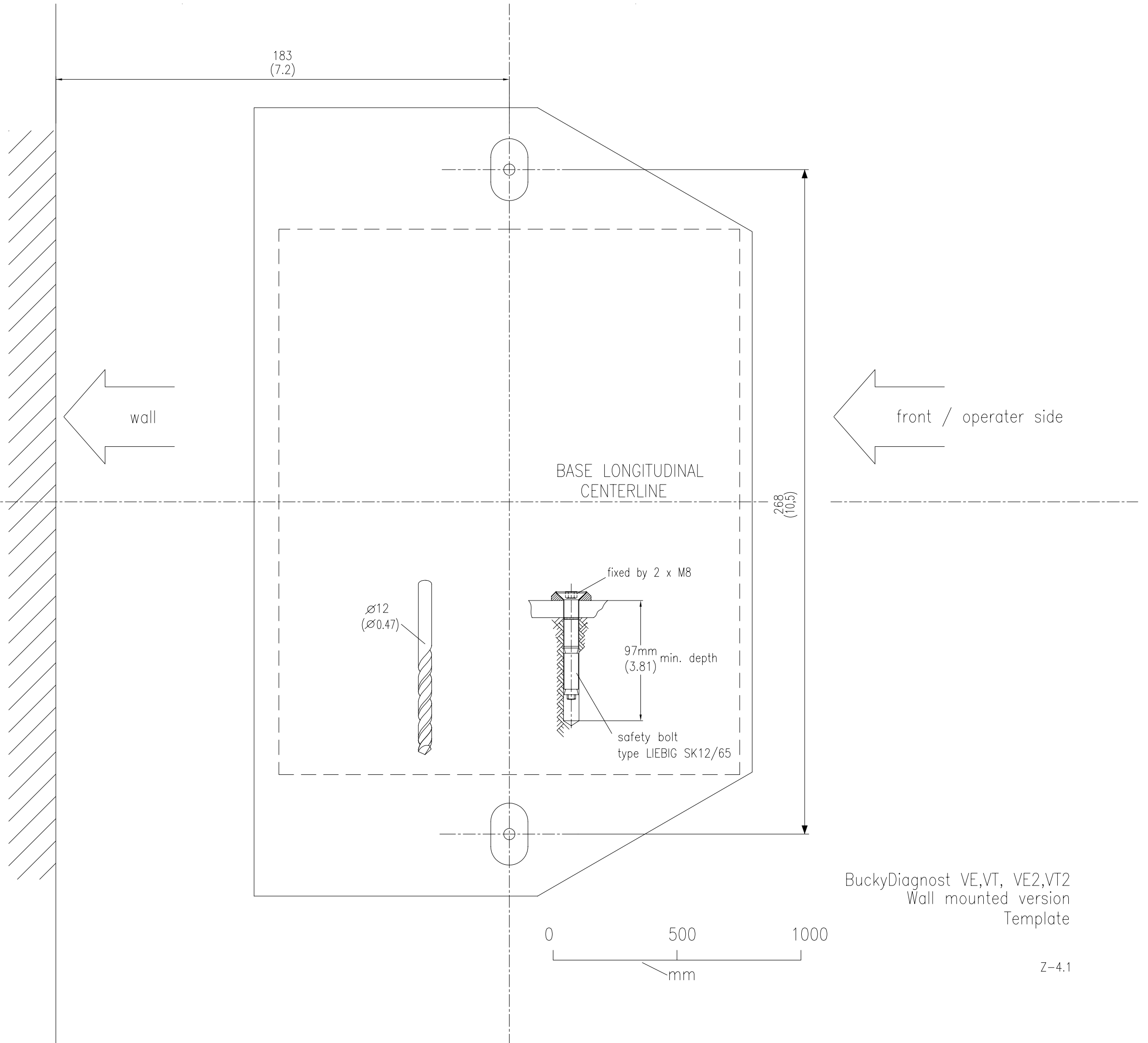




\* = Option



BuckyDiagnost VT  
Segment control unit  
Stand alone version  
Mechanical dimensions



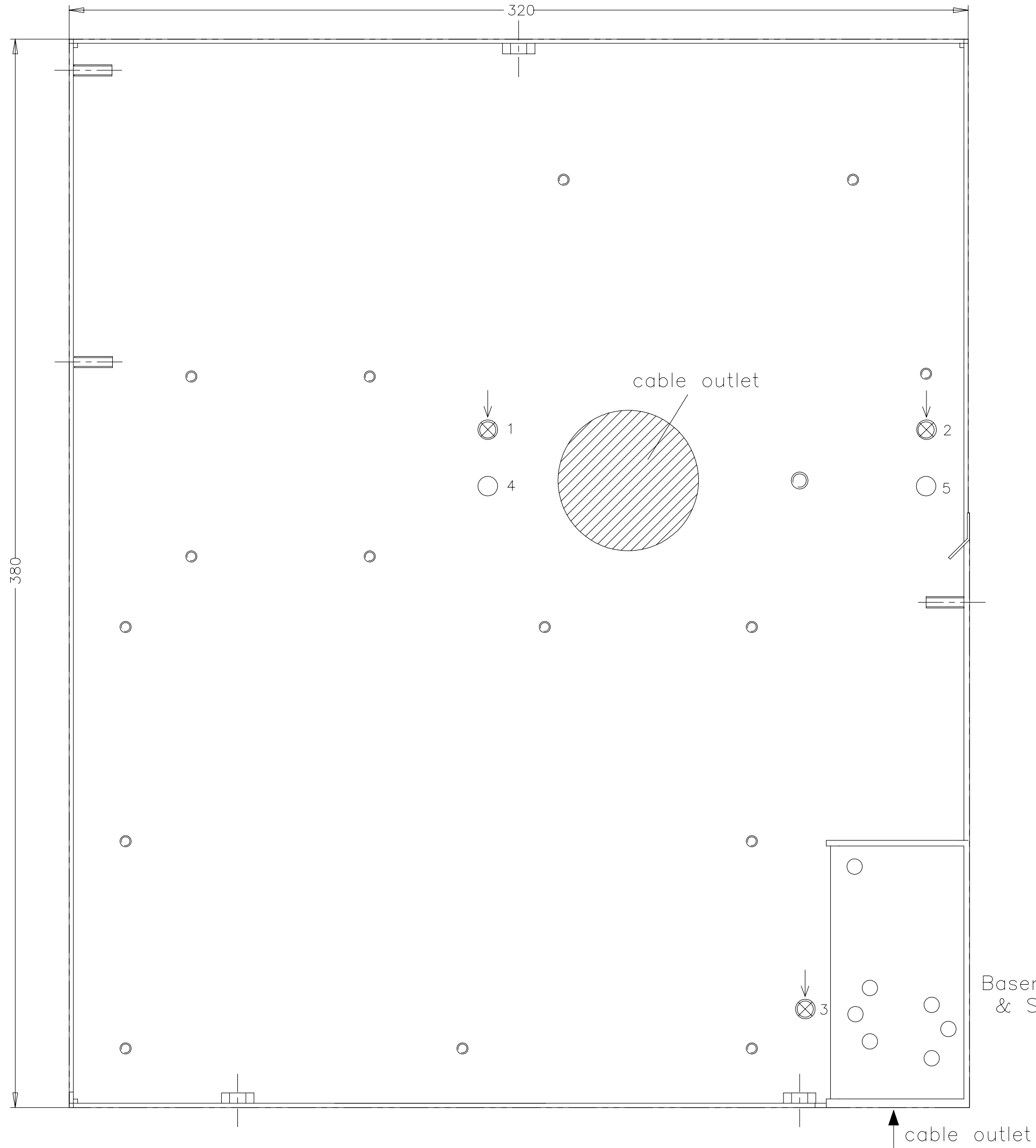
BuckyDiagnost VE,VT, VE2,VT2  
Wall mounted version  
Template

A2\_02-06-14\_Schr./Ost.  
451298200251\_z4\_2\_020

1/2/3 Fixation holes  
4/5 Optional fixation holes

4512 982 0025.  
© Philips Medical Systems

(02.0)



Z-4.2

294  
(11.57)

(04.0)

BASE LONGITUDINAL CENTERLINE

256,5  
(10.1)

Floor fixing device

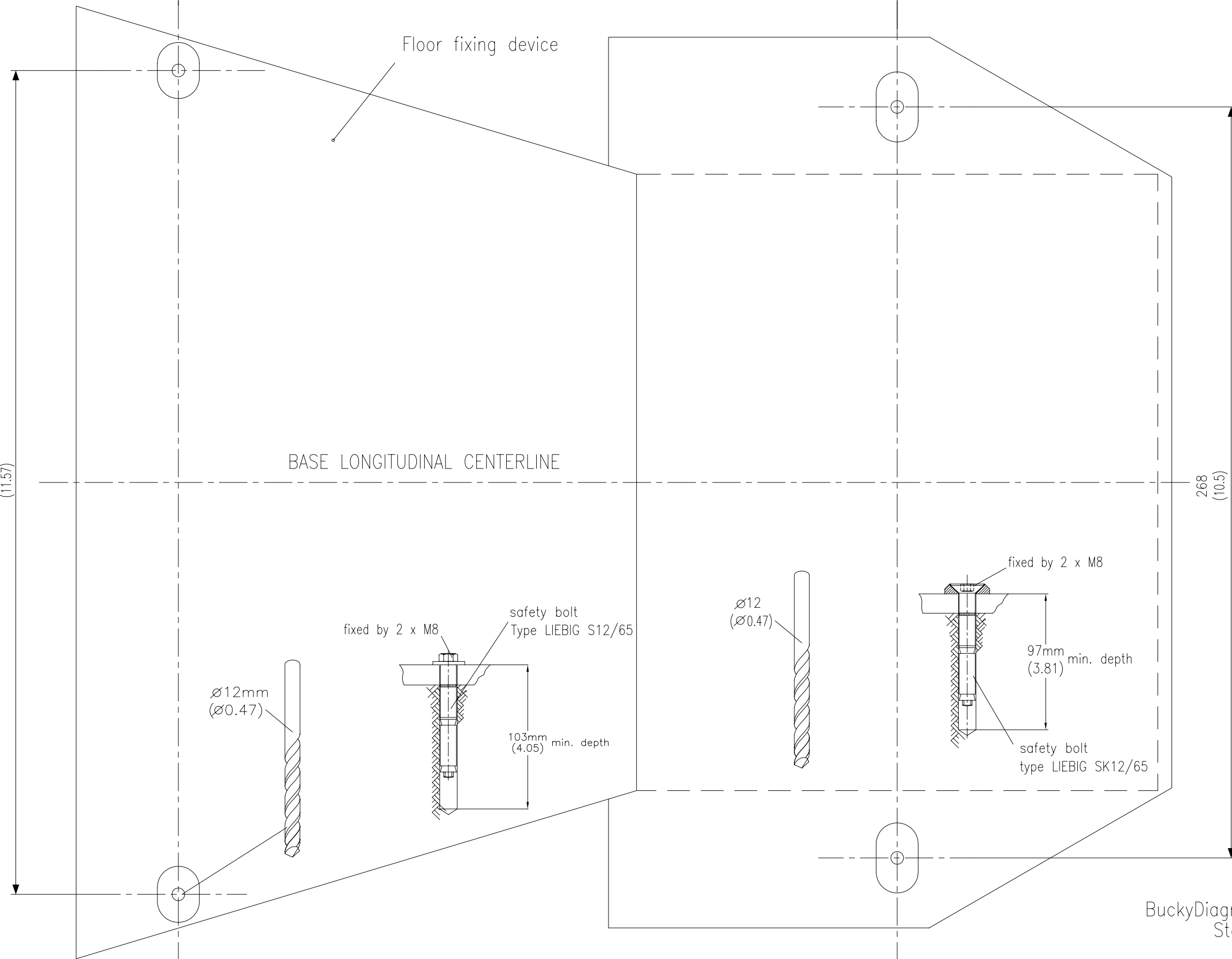
268  
(10.5)

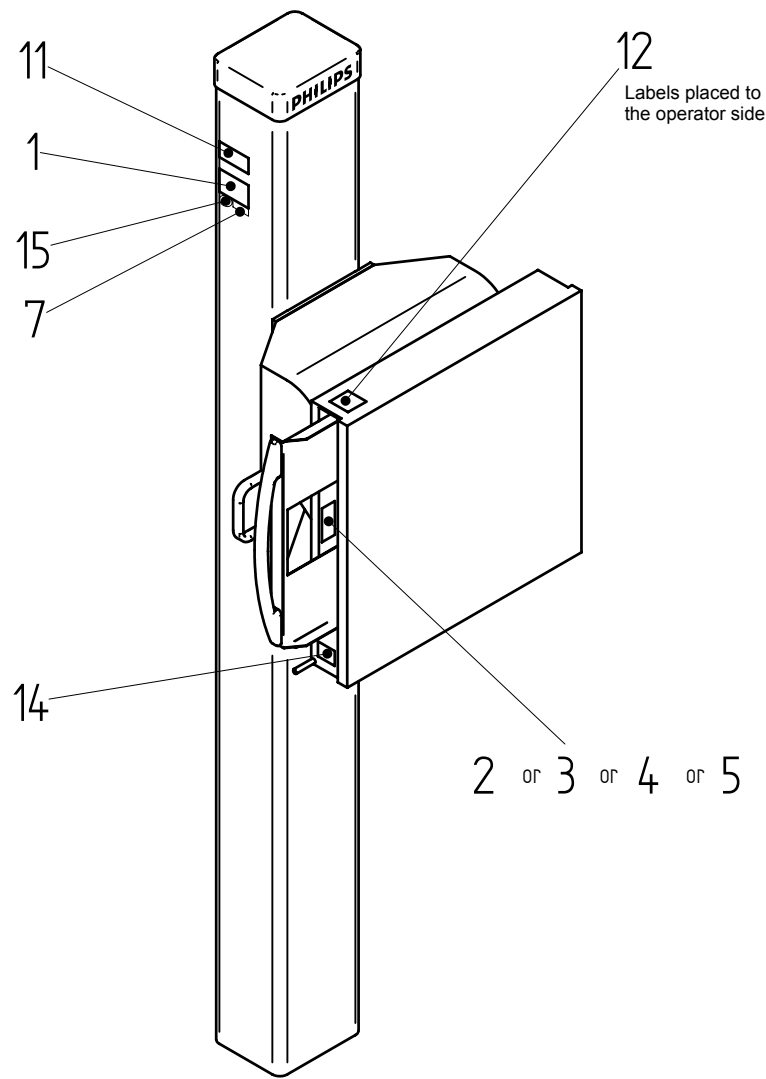
front / operator side

BuckyDiagnost VE,VT,VE2,VT2  
Stand-alone version  
Template

0 500 1000  
mm

Z-4.3





1

	<b>PHILIPS</b>	Philips Medical Systems DMC GmbH Röntgenstr. 24 D-22335 Hamburg/Germany
type 9890 010 0651. s/n yy.00.nnn bucky DIAGNOST VE / VT		X-RAY EQUIPMENT WITH RESPECT TO ELECTRICAL FIRE SHOCK AND MECHANICAL HAZARDS ONLY < 641B>
	Class I - Type B IEC 60601-1	Associated equipment IEC 60601-2-32:1994

15

	s
--	---

7

	0123
--	------

only sticked on China-systems

2

	<b>PHILIPS</b>	Philips Medical Systems DMC GmbH Röntgenstr. 24 D-22335 Hamburg/Germany
type 4512 201 0225. s/n yy.00.nnn bucky device right		
	24V --- 350mA	

type 4512 131 1758.  
cassette tray right

or

4

	<b>PHILIPS</b>	Philips Medical Systems DMC GmbH Röntgenstr. 24 D-22335 Hamburg/Germany
type 4512 201 0224. s/n yy.00.nnn bucky device sensing left		
	24V --- 350mA	

type 4512 131 1755.  
cassette tray sensing left

3

	<b>PHILIPS</b>	Philips Medical Systems DMC GmbH Röntgenstr. 24 D-22335 Hamburg/Germany
type 4512 201 0223. s/n yy.00.nnn bucky device sensing right		
	24V --- 350mA	

type 4512 131 1756.  
cassette tray sensing right

or

5

	<b>PHILIPS</b>	Philips Medical Systems DMC GmbH Röntgenstr. 24 D-22335 Hamburg/Germany
type 4512 201 0226. s/n yy.00.nnn bucky device left		
	24V --- 350mA	

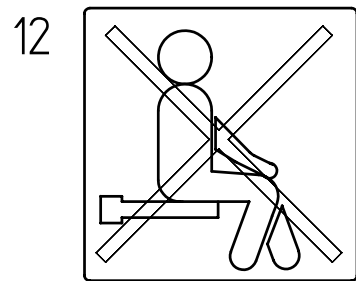
type 4512 131 1757.  
cassette tray left

11

type 4512 201 0228. s/n bucky DIAGNOST VT	This product complies with the DHHS requirements of 21 CFR Sub-chapter J Manufactured: June 2001
	X-RAY EQUIPMENT - WITH RESPECT TO ELECTRICAL FIRE SHOCK AND MECHANICAL HAZARDS ONLY SSE7
Made by HANS PAUSCH	

or

type 4512 201 0227. s/n bucky DIAGNOST VE	This product complies with the DHHS requirements of 21 CFR Sub-chapter J Manufactured: June 2001
	X-RAY EQUIPMENT - WITH RESPECT TO ELECTRICAL FIRE SHOCK AND MECHANICAL HAZARDS ONLY SSE7
Made by HANS PAUSCH	



14

X-RAY GRID STREUSTRAHLENRASTER GRILLE ANTIOFFUSANTE			
Lp/cm	<input type="text"/>	K	<input type="text"/>
ratio	<input type="text"/>	B	<input type="text"/>
fo(cm)	<input type="text"/>	Σ	<input type="text"/>

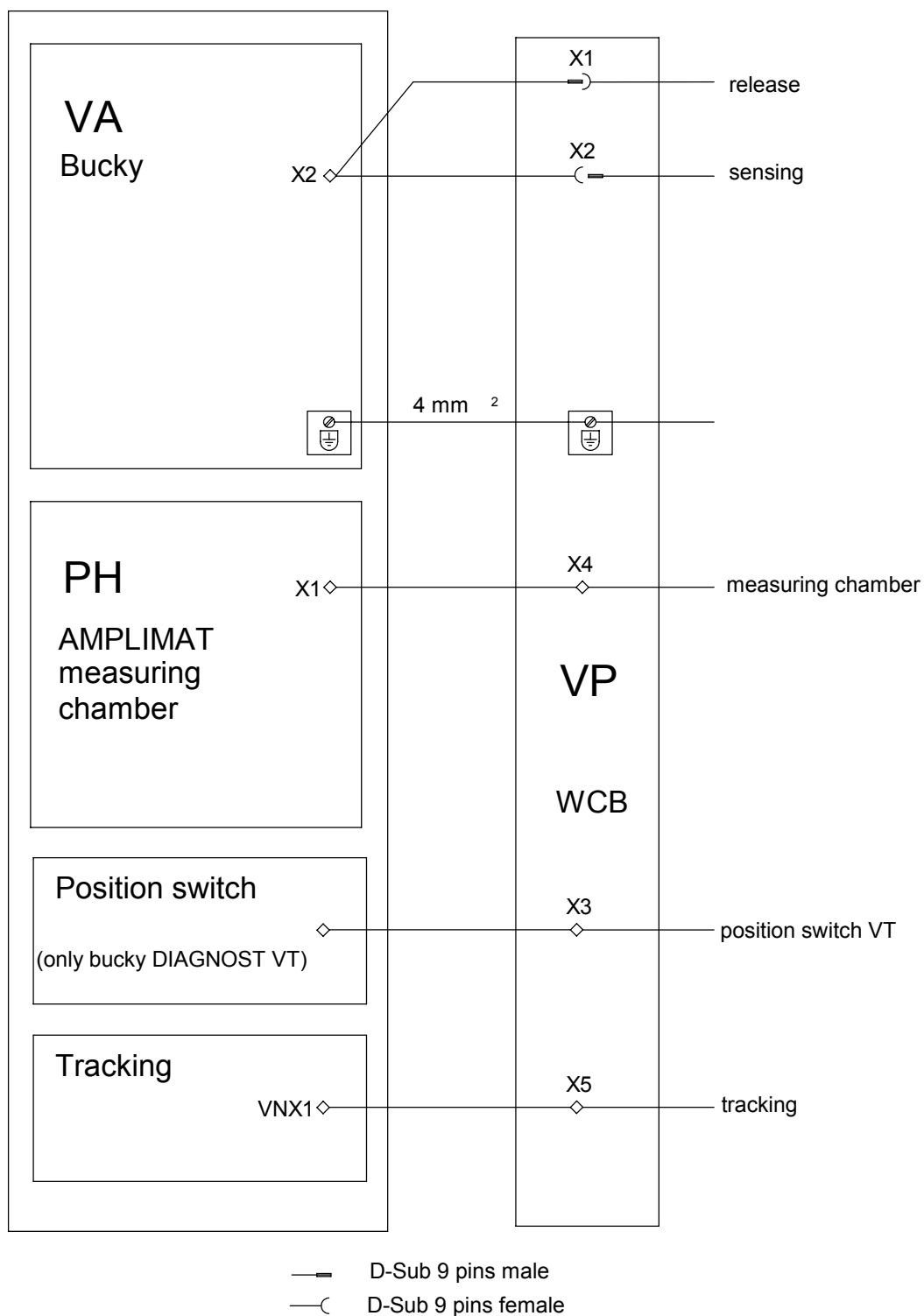
## bucky DIAGNOST VE/VT Labelling

## Schematic diagrams

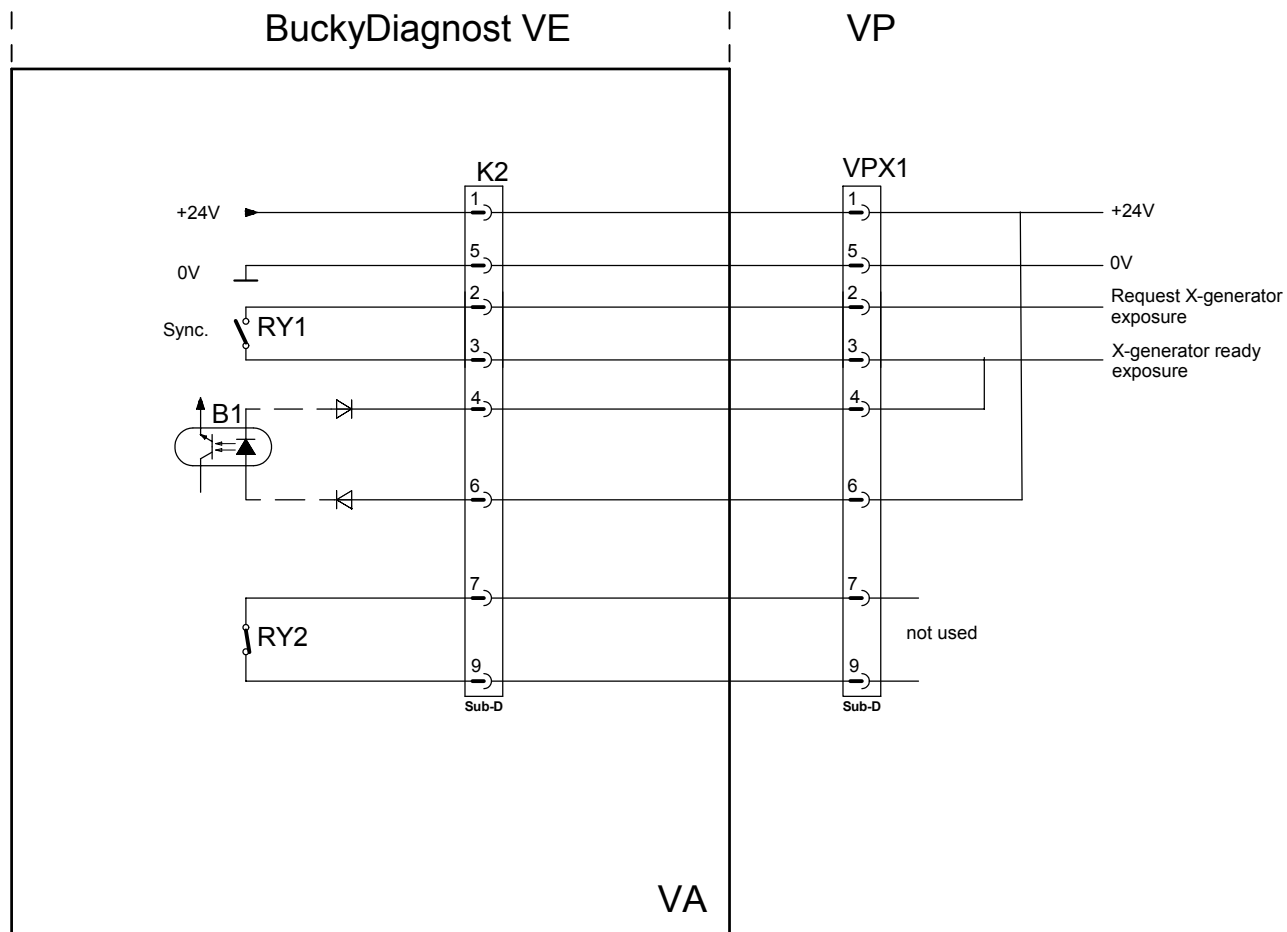
BuckyDiagnost VE/VT Connection diagram .....	.Z1-3
BuckyDiagnost VE with Bucky unit non sensing .....	.Z1-5
BuckyDiagnost VE/VT with Bucky unit INALFA sensing .....	.Z1-6

## Wiring diagrams

BuckyDiagnost VE/VT Wiring diagram .....	.Z2-1
BuckyDiagnost VE/VT Earthing diagram .....	.Z2-2



BuckyDiagnost VE/VT  
Connection diagram

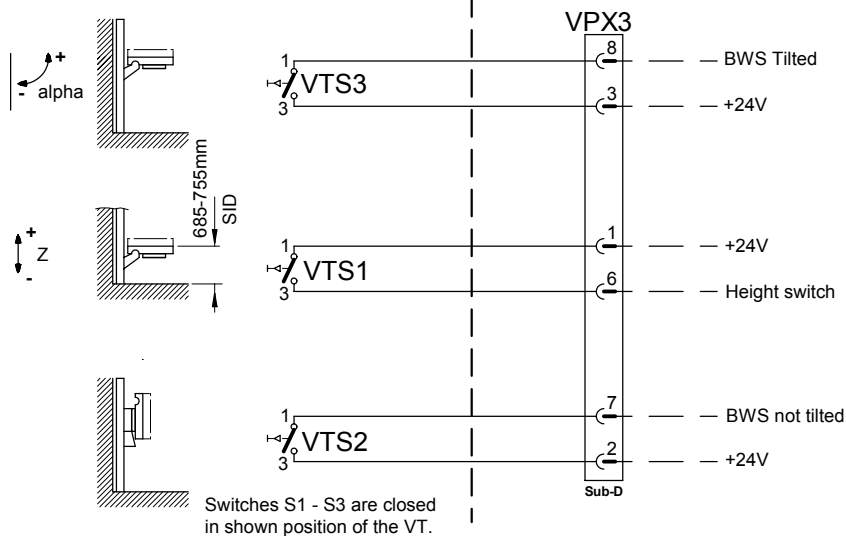
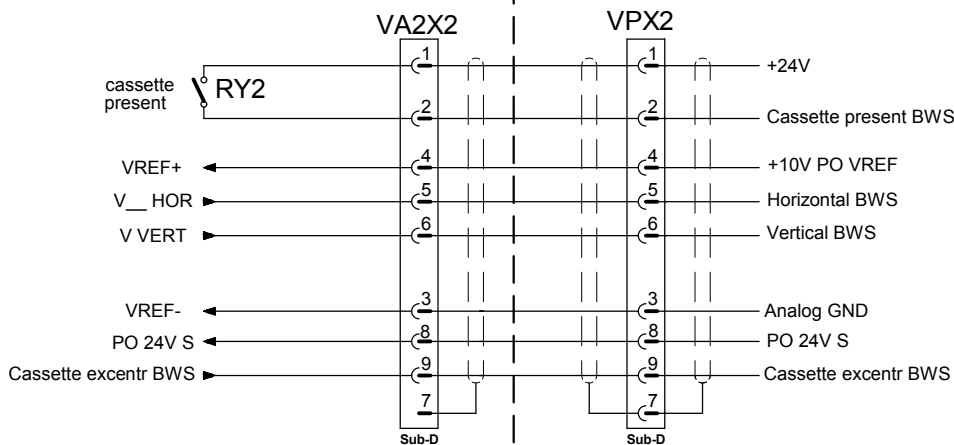
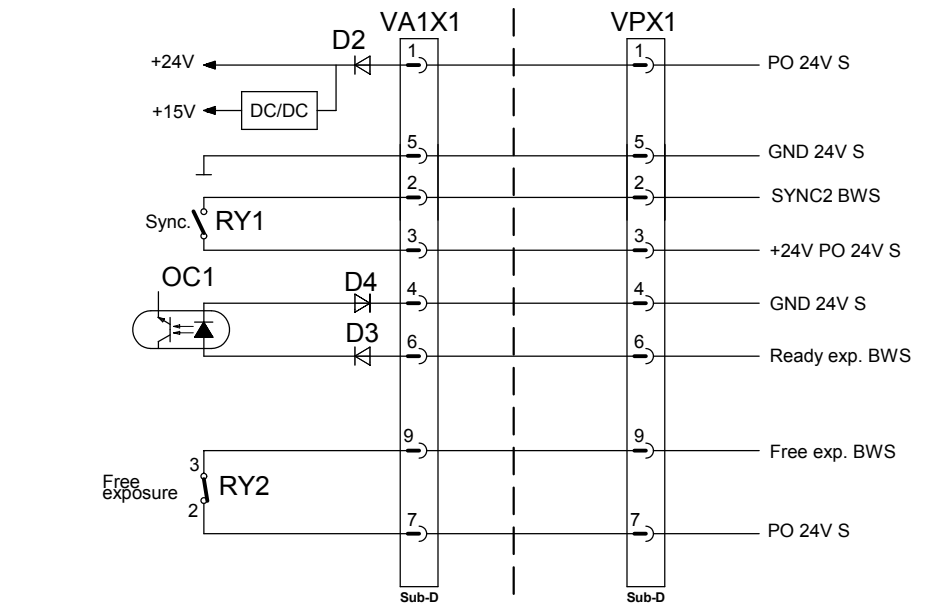


BuckyDiagnost VE  
with Bucky unit non sensing



# BuckyDiagnost VE/VT

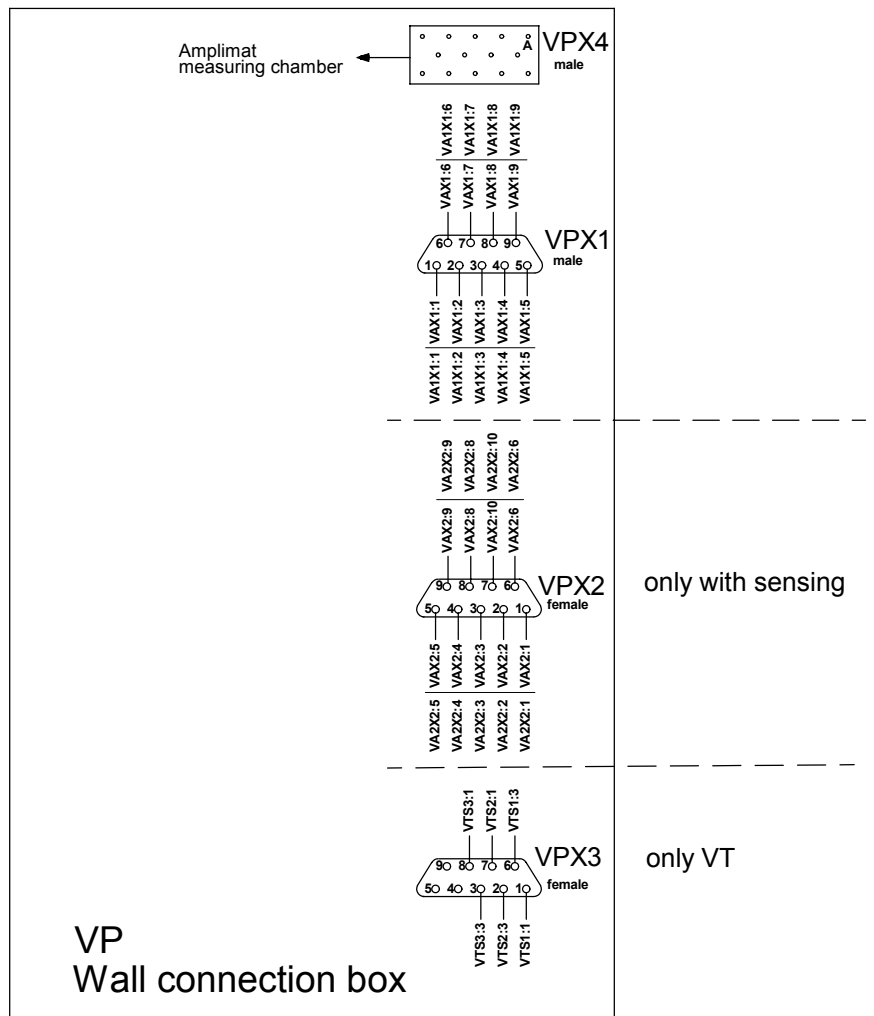
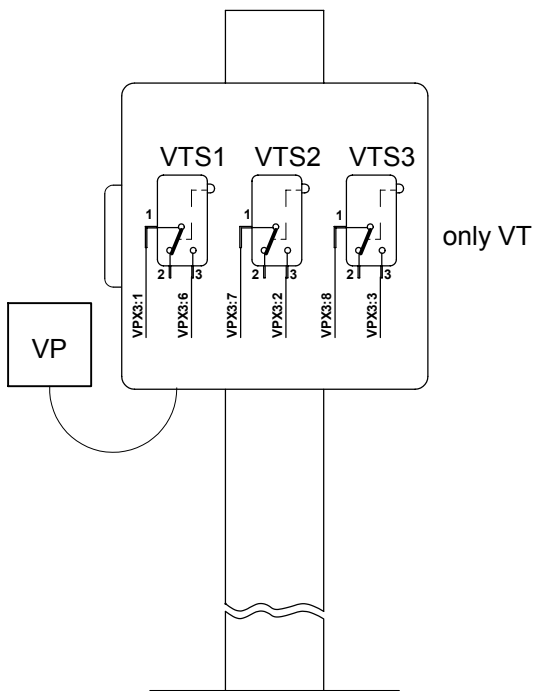
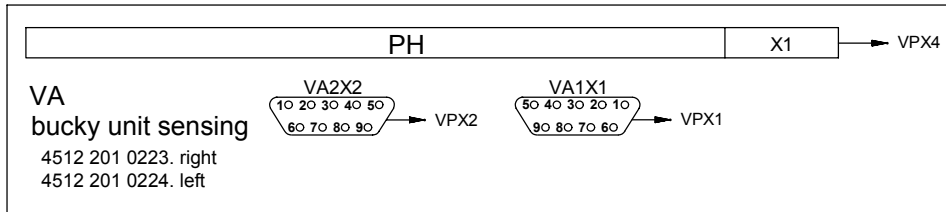
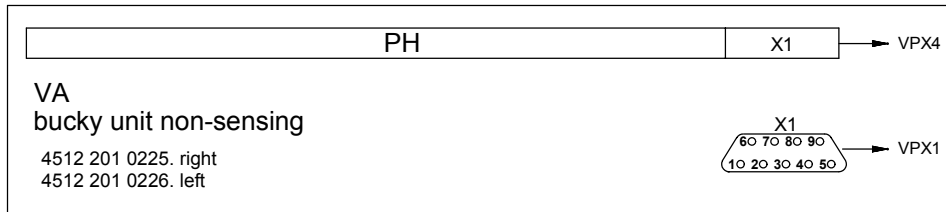
# VP



## BuckyDiagnost VE/VT with bucky unit INALFA sensing

A2/A4 05-02-08 Schr.

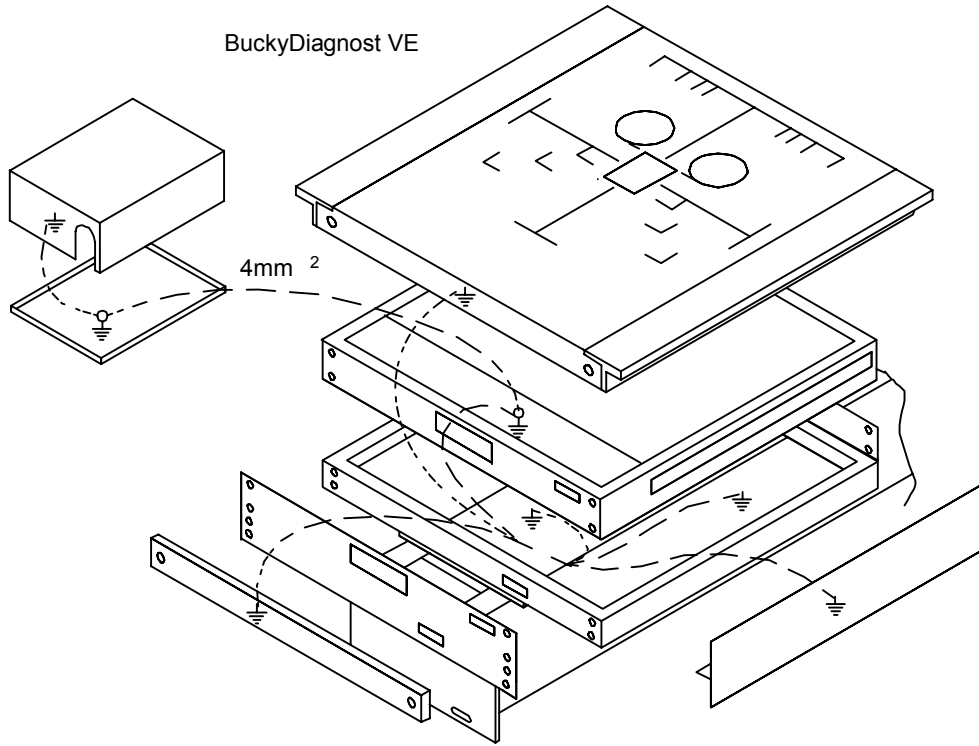
# BuckyDiagnost VE/VT



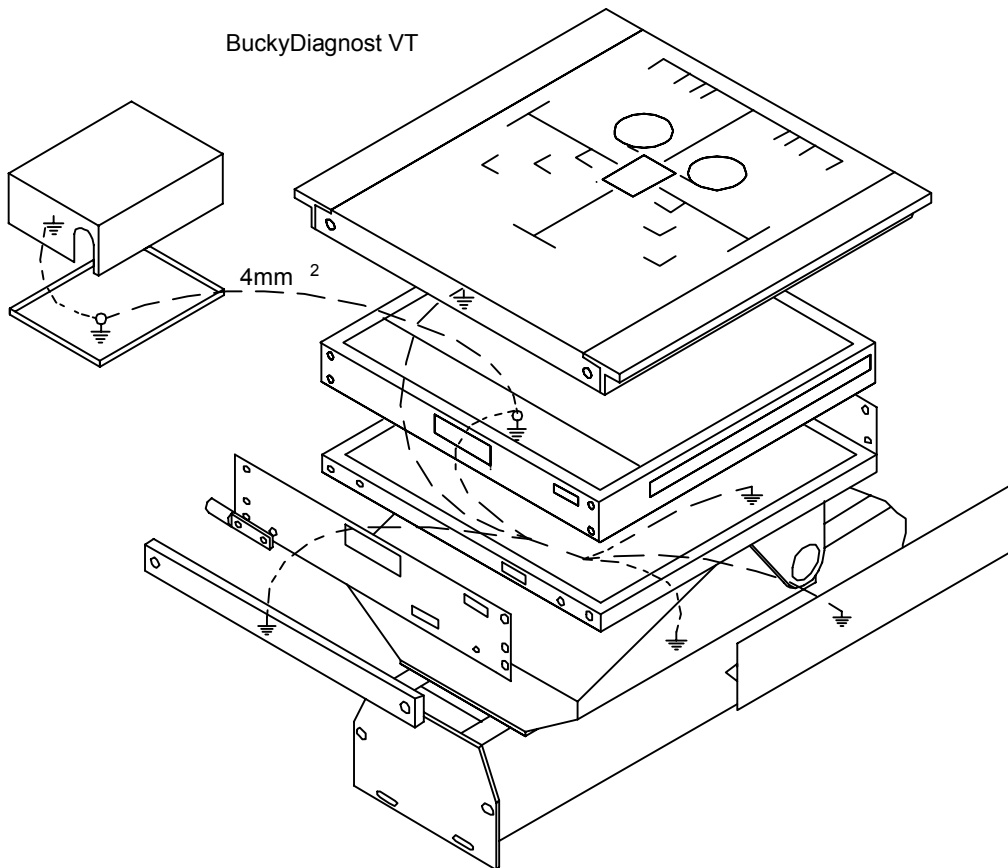
A2/A4 05-02-08 Schr.

## BuckyDiagram VE/VT Wiring diagram

BuckyDiagnost VE



BuckyDiagnost VT



BuckyDiagnost VE/VT  
Earthing diagram